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APPLICATION FOR FEDERAL ASSISTANCE

(For Construction Program)

Under Title I of

The Grant and Loan for Public Works and Development

Facilities Program

(Catalog No. 11.300)

for

REHABILITATION OF THE BOSTON FISH PIER

Submitted to the

ECONOMIC DEVELOPMENT ADMINISTRATION

MASSACHUSETTS PORT AUTHORITY

David W. Davis
April, 1979

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ST. BOSTON, MASSACHUSETTS 02110 (617) 482-2930 TELEX 94-0365

April 19, 1979

John Corrigan, Regional Director
Economic Development Administration
Atlantic Regional Office
600 Arch Street
Philadelphia, Pennsylvania 19106

Dear Mr. Corrigan:

I have enclosed an original and a copy of the Massachusetts Port Authority's application to the Economic Development Administration (form 101P) requesting a grant for Phase II of the rehabilitation of the Boston Fish Pier. Total Phase II costs are estimated at \$6 million of which \$4.5 million is requested in federal funds. The remaining \$1,125,000 will be provided by the Massachusetts Port Authority.

These funds will enable Massport to complete, as planned, the rehabilitation of the Boston Fish Pier begun last year with a grant from your agency. We anticipate the project creating 900 jobs in the fishing industry and more than 2800 by indirect impact. Your investment, and ours, will leverage more than \$60 million in the fishing and fishing support industries. Boston, given its excellent access to truck and air routes remains the ideal location for this redevelopment.

We appreciate your support in the past and look forward to working with you in the future as this project nears completion.

Very truly yours,

MASSACHUSETTS PORT AUTHORITY

David W. Davis
Executive Director

DWD/dec

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Frank Foley, President, M.F. Foley Company
Russell Nagle, John Nagle Company
Hugh O'Rourke, Executive Secretary, Boston Fisheries
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Bill Stride, President, Turner Fisheries, Inc.

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4B. Attachments

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1. Work Description
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LETTERS OF SUPPORT

Michael S. Dukakis, former Governor of Massachusetts

Kevin H. White, Mayor of Boston

John Joseph Moakley, Representative for Massachusetts

Frederick P. Salvucci, former Massachusetts Secretary of
Transportation

Frank T. Keefe, former Massachusetts Director of State
Planning

Brian Dacey, Acting Director of Federal Relations for
City of Boston

Francis M. Byrnes, President, F. E. Harding Co.

Frank Foley, President, M. F. Foley Co.

Russell Nagle, John Nagle, Co.

Hugh O'Rourke, Executive Secretary, Boston Fisheries
Association

Bill Stride, President, Turner Fisheries Inc.



THE COMMONWEALTH OF MASSACHUSETTS

EXECUTIVE DEPARTMENT

STATE HOUSE • BOSTON 02133

MICHAEL S. DUKAKIS
GOVERNOR

December 7, 1978

Mr. John Corrigan, Director
Economic Development Administration
Atlantic Regional Office
600 Arch Street
Philadelphia, PA 19106

Dear Mr. Corrigan:

On behalf of the Commonwealth of Massachusetts, I would like to endorse the Massachusetts Port Authority's application for Title I funds to complete Phase II of the rehabilitation of the Boston Fish Pier. This request for funding is of utmost importance if this project is to be successfully completed.

The Boston Fish Pier is a vital link in the New England fishing industry. Fish prices for the ports of Gloucester and New Bedford are set every morning at the auction of the Boston Fish Pier. Over 20,783 thousand pounds were landed at the pier in Fiscal year 1978, an increase of 9% from the previous year. In the future, the proximity of the Boston Fish Pier to Logan International Airport is expected to be an advantage for Boston and Massachusetts as the export market for fish and fish products expands.

The provision of modernized and expanded quarters for the fishing industry will increase job opportunities and stimulate investment in fishing related industries. It is expected that the expansion will create 820 long term jobs in the fishing industry and 2050 additional jobs in fishing support industries. Several firms, hearing of the rehabilitation, have already invested 1.9 million in new capital and are expecting to generate over \$14 million gross revenues during the first year and \$23 million annually after the third year.

The merits of this project are obvious. I urge the Economic Development Administration to approve this application and to allow Massport to complete to this necessary and ambitious undertaking.

Sincerely,

A large, stylized handwritten signature in black ink, which appears to read "Michael Dukakis".



CITY OF BOSTON
OFFICE OF THE MAYOR
CITY HALL, BOSTON

KEVIN H. WHITE
MAYOR

December 11, 1978

Mr. John Corrigan, Director
Economic Development Administration
Atlantic Regional Office
600 Arch Street
Philadelphia, PA 19106

Dear Mr. Corrigan:

The Economic Development Administration is considering an application for a \$4.5 million grant by the Massachusetts Port Authority. I understand these monies would be used to complete the rehabilitation of the Boston Fish Pier begun under the \$2 million EDA grant given to the Port Authority last fiscal year. The City of Boston supported the application last year and wholeheartedly supports this year's application.

Rehabilitation of the Boston Fish Pier is a major project for the City, the state and the region. It would revitalize the fishing fleet thereby reinforcing ship repair activity at the city's nearby Boston Marine Industrial Park. In order to stabilize the present 1300 plus jobs at the fish pier and to insure the creation of some 3000 more (direct and indirect impact), rehabilitation of the fish pier must be completed.

The Fish Pier project is an important part of the Boston Plan. And, as its completion hinges on EDA funds, the city of Boston encourages the acceptance of this application..

Sincerely,

Kevin H. White
Mayor

Congress of the United States
House of Representatives
Washington, D.C. 20515

NELSON HAMMILL
ADMINISTRATIVE ASSISTANT

238 CANNON BUILDING
(202) 225-8273

ROGER KINEAVY
DISTRICT MANAGER

1900C-JFK BUILDING
BOSTON, MASSACHUSETTS 02203
(617) 223-5715

December 12, 1978

Address reply to: Room 1900C
John F. Kennedy Federal Building
Boston, Massachusetts 02203

Mr. John Corrigan, Director
Economic Development Administration
Atlantic Regional Office
600 Arch Street
Philadelphia, Pennsylvania 19106

Dear Mr. Corrigan:

I would like to thank the Economic Development Administration for its grant of \$2 million to the Massachusetts Port Authority to renovate the Boston Fish Pier. The funds were well-timed and well-received.

This grant as you are aware was the first of a two part project. The verbal commitment from the EDA was for \$2 million for FY 1978 and \$4.5 million provided FY 1979. Construction for Phase I is expected to begin in the spring. Since the two phases of the project are so closely related it is important that Phase II begin as soon as possible.

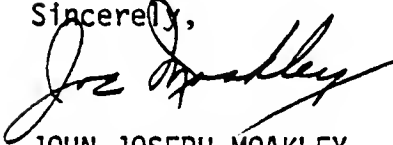
This project is vital to the city, state and region, as well as to the local community. Rehabilitation of the Boston Fish Pier will create over 2,700 new jobs in a city that badly needs industrial jobs. Various individuals invested over \$1.9 million into capital equipment in the fishing industry, and are expecting revenues of approximately \$14 million this year and \$22.8 million the third year. I am sure that when the rehabilitation work is completed, even more interest in investing in the fishing industry will be generated.

The Boston fishing industry has always been located in the inner city. The supply of fresh fish is unloaded, auctioned and processed right on site. The Fish Pier serves regional, national and international markets. Boston's transportation network of highways, railroads and airways serves the present market well and would allow for significant expansion.

Prospects are brightening for the fishing industry: The 200-mile limit and Public Law #95-354 show legislative support for the industry. Your support is shown by your financing of Massport's previous application and other port related applications.

On behalf of my constituents, I thank you for helping to make this development possible.

Sincerely,

A handwritten signature in black ink, appearing to read "Joe Moakley", written in a cursive style.

JOHN JOSEPH MOAKLEY
Member of Congress



FREDERICK P. SALVUCCI
SECRETARY

The Commonwealth of Massachusetts

Executive Office of Transportation & Construction

One Ashburton Place

Boston, Massachusetts 02108

December 6, 1978

Mr. John Corrigan, Director
Economic Development Administration
Atlantic Regional Office
600 Arch Street
Philadelphia, PA 19106

Dear Mr. Corrigan:

I applaud the Economic Development Administration for supporting the Massachusetts Port Authority's Title I application to renovate the Boston Fish Pier with its grant of \$2 million last fiscal year and encourage support for this year's application requesting \$4.5 million for Phase II of the project.

The completion of this renovation of the Fish Pier facilities is essential to accommodate growth and renewed interest in the fishing industry, spurred by the enactment of the 200-mile limit. The Executive Office of Transportation and Construction recognizes the benefits the increase in job opportunities and investment will bring to the Commonwealth's economy.

Massport has demonstrated its support for the fishing industry in this rehabilitation effort. I urge the Economic Development Administration to approve this application.

Sincerely,

A handwritten signature in dark ink, appearing to read "Fred Salvucci".

Frederick P. Salvucci

FPS:mxg



THE COMMONWEALTH OF MASSACHUSETTS

OFFICE OF STATE PLANNING

JOHN W. MCCORMACK BUILDING ROOM 2101
ONE ASHBURTON PLACE
BOSTON, MASSACHUSETTS 02108
(617) 727-5066

MICHAEL S. DUKAKIS
GOVERNOR

FRANK T. KEEFE
DIRECTOR

December 19, 1978

John Corrigan, Director
Economic Development Administration
Atlantic Regional Office
600 Arch Street
Philadelphia, PA 19106

Dear Mr. Corrigan:

On behalf of the Office of State Planning, I would like to express my support of Massport's Title I application for Phase II of the renovation of the Boston Fish Pier.

The fishing industry has received increased attention from industry and government since the passage of the 200-mile limit and Bill No. 95-354, which restricts first choice of U.S. fish to U.S. processors. In the next five to seven years, we expect the New England fishing industry to expand significantly. The renovation of the Boston Fish Pier will provide facilities for the fishing industry essential for growth in this vital sector of our economy.

The Office of State Planning supports continued progress on this project, so important to the Boston economy and to the economic well-being of the state as a whole.

Sincerely,

FRANK T. KEEFE

Director of State Planning



CITY OF BOSTON
OFFICE OF FEDERAL RELATIONS

ONE CITY HALL SQUARE
BOSTON, MASSACHUSETTS 02201

VIN H. WHITE
Mayor

JOHN E. DREW
Director
725-4224

December 11, 1978

Mr. John Corrigan, Director
Economic Development Administration
Atlantic Regional Office
600 Arch Street
Philadelphia, PA 19106

Dear Mr. Corrigan:

I am writing in support of Massport's application for funding Phase II of the rehabilitation of the Boston Fish Pier.

Rehabilitation of the fish pier, as an integral part of our waterfront redevelopment was an important section in Boston's major economic planning document. Waterfront redevelopment which would include fish pier rehabilitation is included in Boston's Comprehensive Economic Development Strategies (CEDS) Program.

Boston has the potential for becoming the principle fish unloading, processing, and transporting center for New England. Its history as a major fishing port, its location in the regional transportation network and its proximity to Logan International Airport practically guarantee the Boston Fish Pier prominence in the industry. The 200-mile limit is expected to double fish landings within the next decade.

With renovated facilities at the pier, Boston fish processors can take advantage of this increased activity.

The renovation of the Boston Fish Pier is an important step toward revitalizing Boston's economy and job base. I commend the EDA's approval of Massport's first application for Phase I of this project and urge EDA's approval of this application to finish the project.

Sincerely,

Brian Dacey
Acting Director

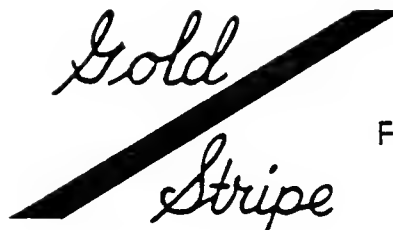
F. E. HARDING COMPANY

WHOLESALE

SEA FOODS

TELEPHONE

Liberty 2-9533



FILLETS

16 FISH PIER
BOSTON, MASSACHUSETTS

January 30, 1979

Mr. John Corrigan Director
Economic Development Administration
Atlantic Regional Office
600 Arch Street
Philadelphia, Pa. 19106

Dear Mr. Corrigan:

I am writing in support of Massport's application to the EDA to fund phase II of the rehabilitation of Boston Fisheries.

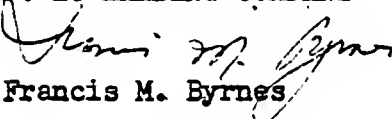
The Fish Pier is now in a decadent and antiquated condition and without the aid of the EDA and MASSPORT, the Fish Pier dealers would be forced to close their doors. Since most of us are relatively small businesses, we do not have the capital to finance a rehabilitation project of approximately 9 million dollars. We applaud the EDA for financing Massport's first application for two million dollars, however, we do not see how the project can be completed unless this application for 4.5 million is also approved.

Boston has traditionally been the leading fishing port in Massachusetts. Heavy foreign fishing of cod and haddock and rumors of better facilities in other Massachusetts ports have eroded this position. Now that the 200-mile limit is in effect, fish processing plants will expand, providing job opportunities and helping the economy of Boston and the State of Massachusetts.

In closing, I cannot reiterate strongly enough the importance of the EDA's and Massport's financial support in this project to rehabilitate the Fish Pier so that we can once again participate in the world market of fresh and frozen fish products. Without the help of this EDA monies, the Boston Fish Pier would surely collapse.

Very truly yours,

F. E. HARDING COMPANY


Francis M. Byrnes

FMB/mm

M. F. FOLEY COMPANY

BOSTON'S REAL FISH HOUSE

24 WEST HOWELL STREET • DORCHESTER, MASSACHUSETTS 02125

December 7, 1978

Mr. John Corrigan, Director
Economic Development Administration
Atlantic Regional Office
600 Arch Street
Philadelphia PA 19106

Dear Mr. Corrigan:


I own a fresh fish processing plant in Dorchester, and even though I am not located on the pier I am concerned about the future of the fish pier. I have participated in the meetings being held among Massport staff, the architects and fish pier processors to make decisions about staff and use needs at the pier since September 1978, when the first one was held.

Boston needs a rehabilitated fish pier. The facilities that exist now for fish processing, unloading and gurry handling are antiquated and inadequate for the growth that we expect in the fishing industry. The Boston Fish Pier, as the center for all fish processing activities for the city of Boston, is important for the livelihood of all seafood related industries in the city of Boston and the region.

The work that began under Massport FY 78 grant is only part of the project. I strongly urge the EDA to approve this application for \$4.5 million to complete this rehabilitation. The revitalization of Boston's and New England's fishing industries cannot be accomplished without the EDA's help.

Sincerely,

M. F. FOLEY COMPANY


Frank M. Foley
President

FMF/mtb

JOHN NAGLE CO.

Wholesale Distributors of Fresh and Frozen Fish

FISH PIER

BOSTON, MASS. 02210

February 1, 1979

Mr. John Corrigan, Director
Economic Development Administration
Atlantic Regional Office
600 Arch Street
Philadelphia, PA 19106

Dear Mr. Corrigan:

I strongly urge the Economic Development Administration to support Massport's application for Phase II rehabilitation of the Boston Fish Pier.

Prior to the establishment of the two hundred mile limit, investment had begun, and today it is increasing. The Boston Fish Pier needs your support and the City of Boston needs your support for the renovation of this property.

Sincerely,



Russell J. Nagle
President

RJN/jod



BOSTON FISHERIES ASSOCIATION, INC.

HUGH F. O'ROURKE
Executive Secretary

253 NORTHERN AVENUE, FISH PIER, BOSTON, MASS. 02210
542-4688

January 10, 1979

Mr. Robert T. Hall, Assistant Secretary
Economic Development
U. S. Department of Commerce
Economic Development Administration
5081 Main Commerce Building
14th Street and Constitution Avenue, N. W.
Washington, D. C.

Dear Mr. Hall:

The cooperative effort and interest by the Massachusetts Port Authority, the Economic Development Administration, the Boston Fish Pier Tenants Group, and the Boston Fisheries Association has made the rebuilding of the Boston Fish Pier a reality.

Benefits derived from this Grant is indeed an integral part of the fishing posture which is basically related to the enactment of the Fisheries Conservation and Management Act of 1976 March 1, 1977, better known as the 200 Mile Limit. Historically the Boston Fish Pier is recognized as one of the foremost fishing ports in the United States. Primarily a fresh fish port, boats and processors supply markets by trucks within a radius of 800 miles and by air throughout the United States daily. It is interesting to note that periodically the greatest amount of airfreight out of Boston is fish.

Employment has increased approximately 100 new employees in 1977-1978 relating to increased landings of 500,000 pounds with a strong potential growth factor as the catch continues to increase. With the receipt of Phase I funding committees representing the Massachusetts Port Authority, the Boston Fish Pier Tenants Group, and the Architects/Planners are meeting on a bi-monthly basis discussing methods and procedures that will expedite the construction phase. Phase II which relates to water-sewer system, utilities, power plant, truck receiving and shipping, and improving and reconstructing building is now being considered.

Mr. Robert T. Hall
January 10, 1979
Page Two

Therefore, we respectfully request that the Economic Development Administration continue their support of the Fish Pier Project and approve funding of Phase II to proceed with the rehabilitation of the Boston Fish Pier.

With kindest personal regards,

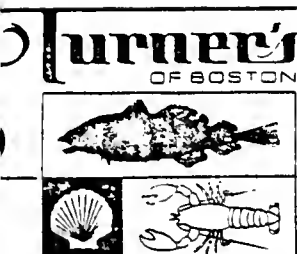
Sincerely,

A handwritten signature in dark ink, appearing to read "Hugh F. O'Rourke", with a long horizontal line extending to the right.

Hugh F. O'Rourke
Executive Secretary

HFO/mtm

cc: Mr. John Corrigan, Regional Director
Economic Development Administration



TURNER FISHERIES INCORPORATED

ONE FISH PIER ROAD
BOSTON, MASSACHUSETTS 02210
(617) 426-6530

December 26, 1978

Mr. John Corrigan, Director
Economic Development Administration
Atlantic Regional Office
600 Arch Street
Philadelphia, Pa. 19106

Dear Mr. Corrigan:

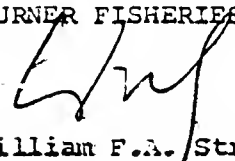
The purpose of this letter is to inform you of our whole hearted support for phase 2 of the Boston Fish Pier renovation. Although we are not located on the actual Fish Pier, we have on-going vital business relationship with practically all the Fish Pier tenants. These relationships are the cornerstone of our business, and providing these firms with reasonable facilities is of utmost importance.

Moreover, if the rebuilding of Boston is to proceed along balanced lines, and simultaneously build employment opportunities, then the Boston Fish Pier is an extremely important element.

We hope and trust that you will fund phase 2 expeditiously and completely.

Kindest regards,

TURNER FISHERIES, INC.


William F.A. Stride, Jr.
President

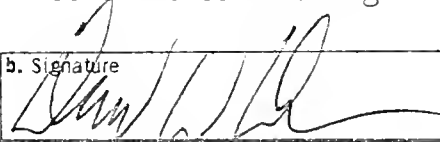
WFAS/j

BCC: Miss Gail L. Monahan

MASSPORT
99 High St.
Boston, Ma. 02110

PUBLIC WORKS PREAPPLICATION

No financial assistance may be provided unless this form is completed and
filed. 42 U.S.C. 3131(a), 3141(a), 3142; 13 C.F.R. 309.22.

FEDERAL ASSISTANCE		2. Appli- cant's appli- cation	a. Number	3. State applica- tion Identifier (SAI)	a. SAI Number 78121676
1. Type of action (Mark appropriate box)	<input checked="" type="checkbox"/> X Preapplication <input type="checkbox"/> Application <input type="checkbox"/> Notification of intent (Opt.) <input type="checkbox"/> Report of Federal Action	b. Date Yr. Mo. Day 19 79 04 26	b. Date Yr. Mo. Day Assigned 19 79 1 4		
4. Legal applicant/recipient		5. Federal employer identification No.			
a. Applicant name : Massachusetts Port Authority		6. Program (From Federal Catalog)			
b. Organization Unit:		a. Number 111-3000			
c. Street/P.O. Box : 99 High Street		b. Title Grant and Loan Program for Public Works and Development			
d. City : Boston		e. County : Suffolk			
f. State : Massachusetts		g. ZIP Code: 02110			
h. Contact person : Massachusetts (Name & phone No.) Elliot K. Friedman 6-7-482-2930		8. Type of applicant/recipient			
7. Title and description of applicant's project		A-State H-Community Action Agency B-Interstate I-Higher Educational Inst. C-Substate Distr. J-Indian Tribe D-County K-Other (Specify) E-City F-School District G-Special Purpose District (Enter appropriate letter) <input checked="" type="checkbox"/> A			
REHABILITATION OF THE BOSTON FISH PIER Phase II. The project involves physical renovations of the Boston Fish Pier to stimulate expansion of fishing and related industries, there by stabilizing the existing 1100 jobs and producing an estimated 3000 jobs.		9. Type of assistance A-Basic grant D-Insurance B-Suppl. grant E-Other (Specify): <input checked="" type="checkbox"/> A C-Loan (Enter appropriate letter(s)) <input type="checkbox"/>			
10. Area of project impact (Name of cities, counties, States, etc.) New England Region		11. Estimated number of persons benefiting 8090		12. Type of application A-New C-Revision E-Augmentation B-Renewal D-Continuation (Enter appropriate letter) <input checked="" type="checkbox"/> D	
13. PROPOSED FUNDING		14. CONGRESSIONAL DISTRICTS OF:		15. Type of Change (For I2C or I2E) A-Increase dollars F-Other (Specify) B-Decrease dollars C-Increase duration D-Decrease duration E-Cancellation (Enter appropriate letter(s)) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
a. Federal \$4,500,000.00		a. Applicant 9th		b. Project 9th	
b. Applicant 1,125,000.00		16. Project Start Date Yr. Mo. Day upon approval		17. Project Duration * Months 12	
c. State .00		18. Estimated date to be submitted to Fed. Agency Yr. Mo. Day 19 79 04 26		19. Existing Federal identification number Phase I: 01-01-01749	
d. Local .00		20. Federal Agency to receive request (Name, City, State, ZIP Code)			
e. Other .00		21. Remarks added (See Sec. IV) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
f. Total \$5,625,000.00		22. The Applicant certifies: a. To the best of my knowledge and belief, data in this preapplication/application are true and correct, the document has been duly authorized by the governing body of the applicant and the applicant will comply with the attached assurances if the assistance is approved. (1) Office of State Planning (2) (3)			
23. Certifying representative David W. Davis Executive Director		b. Signature 		c. Date signed Yr. Mo. Day 19	
24. Agency name		25. Application received Yr. Mo. Day 19		26. Organizational unit	
27. Administrative office		28. Federal application ID		29. Address	
30. Federal grant ID		31. Action taken <input type="checkbox"/> a. Awarded <input type="checkbox"/> b. Rejected/Denied <input type="checkbox"/> c. Returned for Amendment <input type="checkbox"/> d. Deferred <input type="checkbox"/> e. Withdrawn		32. FUNDING a. Federal \$.00 b. Applicant .00 c. State .00 d. Local .00 e. Other .00 f. Total \$.00	
33. Action date Yr. Mo. Day 19		34. Starting Date Yr. Mo. Day 19		35. Contact for additional information (Name and telephone number)	
36. Ending Date Yr. Mo. Day 19		37. Remarks added (See Sec. IV) <input type="checkbox"/> Yes <input type="checkbox"/> No		38. Federal Agency A-95 Official (Name and telephone No.)	
39. Federal Agency A-95 Action		a. In taking above action, any comments received from clearinghouses were considered. If agency response is due under provisions of Part 1, OMB Circular A-95, it has been or is being made.			

*This Phase only

Section IV - REMARKS (Please reference the proper item number from Sections I, II or III, if applicable)

Agency Special Instructions

PART II - PREAPPLICATION FOR FEDERAL ASSISTANCE

1. Does this assistance request require State, local, regional or other priority rating? ☐ Yes ☒ No
2. Does this assistance require State or local advisory, educational or health clearance? ☐ Yes ☒ No
3. Does this assistance request require Clearinghouse review? , ☒ Yes ☐ No
4. Does this assistance request require State, local, regional or other planning approval? ☐ Yes ☒ No
5. Is the proposed project covered by an approved comprehensive plan? ☒ Yes ☐ No
6. Will the assistance requested serve a Federal installation? ☐ Yes ☒ No
7. Will the assistance requested be on Federal land or installation? ☐ Yes ☒ No
8. Will the assistance requested have an effect on the environment? ☐ Yes ☒ No
9. Will the assistance requested cause the displacement of individuals, families, businesses, or farms? ☒ Yes ☐ No
10. Is there other related assistance for this project previous, pending, or anticipated? ☒ Yes ☐ No
11. a. Is the project in a designated flood hazard area? ☒ Yes ☐ No
 b. Is the project site located in a flood plain? ☒ Yes ☐ No
 c. Is the project safe from flooding? ☐ Yes ☒ No
 d. Is flood insurance available? ☒ Yes ☐ No
 e. Has flood insurance ever been purchased? ☐ Yes ☒ No
12. Has the applicant been the subject of any unresolved issues, or negative determinations issued within the past two years, arising from civil rights compliance reviews, complaints, lawsuits or other allegations of discrimination on the basis of race, color, national origin, sex, handicap or age? ☒ Yes ☐ No

PART III - PROJECT BUDGET

Federal catalog number (a)	Type of assistance loan, grant, etc. (b)	First budget period (c)	Balance of project (d)	TOTAL (e)
1. 11.300	Title I Public Works Grant			\$4,500,000
2.				
3.				
4.				
5.				
6. Total Federal Contribution.		\$	\$	\$4,500,000
7. State Contribution				
8. Applicant Contribution				1,125,000
9. Other Contributions				
10. TOTALS →		\$	\$	\$5,625,000

PART IV - PROGRAM NARRATIVE STATEMENT
(Attach per instruction)

A-95 Review

As applies to Part I, Item 22B
and PART II Item 3



THE COMMONWEALTH OF MASSACHUSETTS

OFFICE OF STATE PLANNING

JOHN W. MCCORMACK BUILDING ROOM 2101

ONE ASHBURTON PLACE

BOSTON, MASSACHUSETTS 02108

(617) 727-5066

MICHAEL S. DUKAKIS
GOVERNOR

FRANK T. KEEFE
DIRECTOR

January 4, 1978

Mr. Elliot Friedman
Director of Real Estate Development
and Property Management
Massachusetts Port Authority
99 High Street
Boston, MA 02110

Re: A-95 Review/Rehabilitation of Boston Fish Pier - Phase II
State Application Identifier: 78121676

Dear Mr. Friedman:

Your notice of intent requesting \$4,500,000 from the Economic Development Administration has been received for review. These funds will provide for the second phase of Massport's rehabilitation of Boston Fish Pier.

As the Governor's designated State Clearinghouse, our review follows the guidelines of OMB Circular A-95. It is designed to provide advisory comments on the consistency of your proposal with State plans, policies, and objectives.

During our review of your proposal, a summary was published in the A-95 Review Monitor, which is distributed to over fifty State agencies. Any interested agency was provided with the opportunity to evaluate your proposal for consistency with its particular policies and objectives. No comments have been received to date.

The Office of State Planning has also reviewed your proposal and as no conflicts or issues were identified, we concur with your application for federal funds.

Thank you for your cooperation during this review process.

Sincerely,

A handwritten signature in dark ink, appearing to read 'F. T. Keefe', with a stylized flourish at the end.

FRANK T. KEEFE
Director of State Planning

/lms
cc: MAPC



massport

30 HENRY ST. BOSTON, MASSACHUSETTS 02110 (617) 462-2930 TELEX 94-0306

January 17, 1978

Mr. Curt Danforth
Office of State Planning
One Ashburton Place
Boston, MA 02108

Dear Mr. Danforth:

I am writing you this letter to ask for your cooperation on a matter involving Massport and A-95 Review.

Last fall, Massport submitted an application to EDA for federal funds for the rehabilitation of the Boston Fish Pier. In a letter from Frank Keefe to Rose Snyder (September 20, 1977), OSP supported the project and said that the proposal was published in the A-95 Review Monitor (September 9). Also, letter of approval was sent October 13, 1977.

Massport has been awarded \$6.5 million of federal money. But the federal money is coming in two installments -- \$2 million for first year and \$4.5 million for the second year. EDA has notified us that we might have to go through the A-95 process again, since the project has been divided into two phases.

If you concur with our judgment that the A-95 Review procedures have already been complied with, we would appreciate a letter from OSP to Massport, stating that. Such a letter should provide the assurances to EDA that the A-95 requirements have already been fully complied with.


Phase I will consist of Pier, Site Work and Utilities, salt water distribution, plus some core and shell improvements to buildings 1 & 2, and some smaller items of architectural, survey and boring work. Phase II will include fresh water distribution, the sanitary/storm system, and the utility tunnels, utilities, new utility service lines in street and all buildings plus street paving. The core and shell improvements to Power Plant Building and apron and truck dock will also be included in Phase II.

Mr. Curt Danforth
Page Two
January 17, 1978

In summary, the conditions of the EDA grant in two phases in no way seriously alters Massport's plans set forth in the Application for Federal Assistance for Rehabilitation of the Boston Fish Pier (September 1978).

If you need further information, do not hesitate to call.

Sincerely,

A handwritten signature in cursive script, appearing to read "Norm Faramelli".

Norman Faramelli

NF/cr



MICHAEL S. DUKAKIS
GOVERNOR

FRANK T. KEEFE
DIRECTOR

THE COMMONWEALTH OF MASSACHUSETTS

OFFICE OF STATE PLANNING
JOHN W. MCCORMACK BUILDING ROOM 2101
ONE ASHBURTON PLACE
BOSTON, MASSACHUSETTS 02108
(617) 727-3066

January 30, 1978

Mr. Norman Faramelli
MASSPORT
99 High Street
Boston, MA 02110

Dear Mr. Faramelli:

In response to your letter of January 17th concerning the A-95 review of the Boston Fish Pier Renovation Program, no additional A-95 review will be required for your second year grant. The material provided for the initial review of this project clearly outlined all the work to be conducted under the two separate phases, and as such is an adequate review for the awarding of the \$2 million for the first year and the \$4.5 million for the second year.

The comments submitted by the MEPA unit in the Executive Office of Environmental Affairs during the review of your project, suggest the need for a MEPA review. I suggest you contact Ms. Madeline Kolb at 727-5830 to clarify this point and begin the necessary steps.

We are glad to hear you were successful in your application for EDA funding. The work when completed will greatly enhance the Pier's utility to the fishing fleet as well as preserving an important landmark of the Boston Waterfront.

Sincerely,

A handwritten signature in dark ink, appearing to read "F. Keefe", written over a horizontal line.

Frank T. Keefe
Director of State Planning

/lms

cc: Madeline Kolb, MEPA
Lorraine Payne, MAPC

OFFICE OF STATE PLANNING
PROPOSAL REVIEW FORM

TO: MEPA	DATE: September 19, 1977
OFFICE OF STATE PLANNING	77091506

The following proposal has come before the Office of State Planning for its review. We are actively soliciting input on this proposal before taking any action. We would appreciate your comments or any information which you think would be helpful. If you have any questions, please feel free to contact the O.S.P. person identified below.

PROPOSAL: Boston Fish Pier	
SEE ATTACHED	

PROPOSER: MassPort	OTHER SIGNIFICANT ACTORS:
LOCATION OF PROPOSAL:	OTHER RELEVANT INFORMATION (FUNDING, ETC.):

REVIEW REQUIRED:	
<input checked="" type="checkbox"/> State Clearinghouse (A-95) review. In your review, focus on the proposal's compatibility with your agency's plans, programs, and objectives.	<input type="checkbox"/> For your evaluation and comment. <input type="checkbox"/> For your information; comment if you wish. <input type="checkbox"/> Other:
<input type="checkbox"/> Environmental Impact Statement and/or Environmental Impact Report. You are not required to comment on the advisability of the proposal; your review should focus on the adequacy of the E.I.S. E.I.R. (See below.) Information is needed for us to better evaluate. Specific information (if any) requested: _____	

OFFICE OF STATE PLANNING CONTACT PERSON: Curt Danforth	PHONE: _____
REPLY DUE: October 3, 1977	

For your convenience, you may use the space below for your comments. Alternatively, you may return your review, comments, and/or information on an attached sheet.

- | | |
|--|--|
| <input type="checkbox"/> Concur with proposal; no comment. | <input type="checkbox"/> E.I.S. E.I.R.: report found to be adequate; comments (if any) attached. |
| <input type="checkbox"/> Concur with proposal; comments attached. | <input type="checkbox"/> E.I.S. E.I.R.: report found inadequate; noted inadequacies attached. |
| <input checked="" type="checkbox"/> Concur conditionally with proposal; conditions attached. | <input type="checkbox"/> Requested information attached. |
| <input type="checkbox"/> Need more information; questions attached. | <input type="checkbox"/> Requested information is unavailable. |
| <input type="checkbox"/> Do not concur with proposal; explanation attached. | <input type="checkbox"/> Have no comment, as proposal is not relevant to our concerns. |

COMMENTS:

Project, as outlined, would seem to provide economic benefits and mitigate possible adverse environmental and public health aspects of operation of present facilities more thorough review will be conducted under MEPA process

SIGNATURE: *Madeline Kolb* DATE: *Sept. 23, 1977*
MEPA, Ex Officio En. Affairs

REVIEWER (IF DIFFERENT FROM SIGNATORY): _____

ROOM 2101 • ONE ASHBURTON PLACE • BOSTON, MASSACHUSETTS • 02108 • PHONE: 617-727-5066

NOTE: Reviewer: Return white copy to O.S.P. retain yellow copy for your files (O.S.P. retains pink copy of review request.)



Metropolitan Area Planning Council
44 School Street Boston, Massachusetts 02108

Carla B. Johnston
Executive Director

(617) 523-2454

February 2, 1978

Mr. David W. Davis
Massachusetts Port Authority
99 High Street
Boston, Massachusetts 02110

RE: DOC/EDA - Grants & Loans for Public Works &
Development Facilities - Rehabilitation of the
Boston Fish Pier - Boston.
(MAPC #A-78-73; Received January 31, 1978)

Dear Mr. Davis:

In accordance with the provisions of the U.S. Office of Management and Budget Circular A-95, the Metropolitan Area Planning Council, as metropolitan clearinghouse, has reviewed the above referenced application for federal financial assistance.

Based on the information available to us, we find the proposal in general to be consistent with existing plans and policies of the Council.

The Council has requested that Ms. Gail P. Rotegard, MAPC representative from Boston, and Mr. Philip Zeigler, from the Boston Redevelopment Authority - expedite their review comments. Their responses will be forwarded to you upon receipt.

We wish you success in obtaining EDA funding.

Very truly yours,

Carla B. Johnston
Executive Director

CBJ/md

cc: Mr. Frank T. Keefe
Office of State Planning
Ms. Gail P. Rotegard
MAPC rep., Boston
Mr. Philip Zeigler
Boston Redevelopment Authority

PART II ATTACHMENTS

- Item 3: A-95 Review: Please see the attachment to Part I, item 22b for A-95 and related responses.
- Item 5: Inclusion in comprehensive plans: Rehabilitation of the Boston Fish Pier is considered a priority development project in the Boston Plan, the City of Boston Overall Economic Development Plan, and the Metropolitan Area Planning Council. The Office of State Planning supports the Rehabilitation, emphasizing the need for revitalization of the fishing industry in the Economic Development Plan for Massachusetts.

Section 10 Related Funding.

10A. CETA Title I

Massport is exploring the possibility of establishing an on the job training program for Fish Pier processing firms under Title VI of the Comprehensive Employment Training Act. Last year Massport began a CETA Title I program, employing six CETA workers at the Fish Pier. When the workers' terms expired this fall, Massport hired four of them. Massport also applied for an additional six CETA Title I workers.

10B. Phase I of Fish Pier Rehabilitation

Phase I of the renovation of the Boston Fish Pier involved pier and site work and exterior rehabilitation of the buildings.

However before the pier can resume its position of prominence in the fishing industry extensive rehabilitation will have to be undertaken. The pier will be able to provide the facilities needed by the modern fish processing plants currently envisioned by these private firms - once both phases of renovation are complete. Phase II will include interior work to the buildings, all utilities, and possibly changing the grade of the pier.

Phase I cost \$2.5 million, with EDA supplying \$2 million.

PART II.

11. The Boston Fish Pier area is considered a flood hazard area (See Special Flood Hazard Area Map attached) and is located on a Flood Plain.

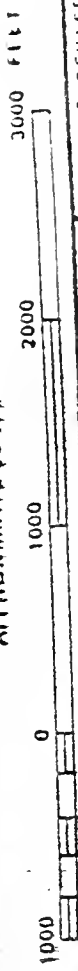
After consultation with the regional Flood Insurance Office of the U.S. Department of Housing and Urban Development, Massport has determined that Flood Insurance will be necessary for the Fish Pier Rehabilitation, since the project involves not only pier rehabilitation but the rehabilitation of buildings. The Flood Insurance Office requires a grantee to purchase the maximum amount of insurance or an amount of insurance equal to the amount of the grant, whichever is less. Upon acceptance by the EDA of this project Massport will be able and willing to purchase flood insurance.

12. The Massachusetts Port Authority has had three allegations of discrimination in the past two years, two of which have been dismissed. [Caggiano (State and Federal Equal Employment Opportunity Commission (EEOC) vs. MPA, 1977, and Hyacinth (State EEOC) vs. MPA 1978] The third allegation [Devereaux (State EEOC) vs. MPA] is now being investigated.



JOINS 09

APPROXIMATE SCALE



HAP REVISID
6/7/77

FLOOD HAZARD BOUNDARY MAP

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
Federal Insurance Administration

CITY OF BOSTON, MA
(SUFFOLK CO.)

CERTIFICATE OF NON-RELOCATION

To be Executed by Applicants for Direct Grants or Supplementary Grants Under Title I and for Public Works and Development Facility Loans Under Title II, Sec. 201.

Note-- The Public Works and Economic Development Act of 1965 prohibits EDA from making loans or grants which will have the effect of assisting an employer in moving jobs from one area to another. An expansion of an existing business to a new location may be assisted if such an expansion will not cause unemployment in other areas where the business conducts operations, or will not enable contractors or subcontractors to undertake contracts or subcontracts heretofore performed elsewhere, the performance of which would result in an increase of unemployment at the previous location of such work. Execution of the following Certificate is necessary for EDA to determine the eligibility of the subject project in this regard.

Project Rehabilitation of Boston Fish Pier Off Northern Avenue in
(Nature of Project) South Boston, Massachusetts
(Location)

I certify that I am Executive Director Massachusetts Port Authority
(Official Title) *(Applicant)*

and that the above named Public Works and Development facility project is not undertaken for the purpose of serving an industrial and commercial enterprise which has relocated its operations into the area during the past 24 months or for the purpose of assisting, soliciting or otherwise encouraging the relocation of any industrial or commercial enterprise, and that the applicant is not presently negotiating with an industrial or commercial enterprise which intends to relocate or to curtail its operations in another location with the intention of utilizing the above named facility when it is constructed. In the event that after the date of execution of this Certificate and prior to final disbursement, an agreement is reached between the applicant and any industrial or commercial enterprise to use the Development facility, the applicant will notify EDA of such agreement and submit the name or names of the enterprise involved.

April 1979 
(Date) *(Signature and Title)*

For Massachusetts Port Authority
(Applicant)

Note - Section 710(a) of the Public Works and Economic Development Act of 1965 provides that: "Whoever makes any statement knowing it to be false, or whoever willfully overvalues any security, for the purpose of obtaining for himself or for any applicant any financial assistance under Section 101, 201, 202, or 403 or any extension thereof by renewal, deferment or action, or otherwise, or the acceptance, release, or substitution of security therefor, or for the purpose of influencing in any way the action of the Secretary, or for the purpose of obtaining money, property, or anything of value, under this Act, shall be punished by a fine of not more than \$10,000 or by imprisonment for not more than five years, or both."

STATEMENT ON NON-RELOCATION

All programs and benefits under the Public Works and Economic Development Act, including loans, grants, technical assistance, and training will be administered with strict adherence to the policy of denying assistance to businesses which are seeking to relocate or which relocated in the recent past.

Section 2, the Declaration of Purpose of the Public Works and Economic Development Act states that under the provisions of this Act new employment opportunities should be created by developing and expanding new and existing facilities and resources rather than by merely transferring jobs from one area of the United States to another.

Section 202 (b)(1) of the Public Works and Economic Development Act Provides that EDA financial assistance shall not be extended to assist (1) industrial or commercial establishments relocating from one area to another, (2) expansions which would result in unemployment in any area where the business entity involved conducts its operations or (3) contractors or subcontractors whose purpose it is to seek the transfer of contract work presently performed at another location.

It is the policy of EDA to construe the general prohibition against relocation in Section 2 as applicable to all sections of the Act. The specific language in Section 202 (b)(1) provides further guidance to EDA in carrying out the policy of Section 2 and is used by EDA as a guide in rendering assistance under other sections of the Act. Applicants for development facility loans and grants or for supplementary grants must therefore assure EDA, prior to receiving financial assistance, that they are not constructing the facilities for the purpose of serving a relocated business firm, that they are not then negotiating with a relocating firm, and that they have no intention of using the project to induce industries to relocate into their areas. Similar assurances will be required from industrial and commercial users of development facilities if such facilities are constructed primarily or substantially for their use.

It is not always easy to identify what constitutes the relocation of a business enterprise and its associated jobs. In some instances the movement of machinery and equipment may in practical effect be the movement of the business enterprise. In other instances the business enterprise is more appropriately identified and characterized by a trade name, customer lists, and other intangible assets. EDA will carefully examine all transfers of ownership, liquidations and curtailment of operations which bear any relationship to the proposed establishment of a new enterprise. In all cases, the controlling consideration will be whether the effect is the relocation of jobs from one area to another.

Ordinarily the phrase "from one area to another" as used in connection with relocations means from one labor area to another. Nevertheless, EDA will consider in evaluating a project any adverse effects which may indirectly result from a relocation even though the new location may be wholly within the boundaries of the same labor area or the same redevelopment area or district.

The limitation on assisting in relocations is applied both to prospective moves and those made in the recent past. For instance, EDA will not assist a relocated industry in a new location even though the withdrawal or curtailment of employment at the previous place of business was substantially completed at the time of the request for assistance from EDA. Any such earlier relocation, a part of which was carried out within 24 months prior to an application for EDA assistance, shall be subject to the rebuttable presumption that the EDA assistance requested is causally related to the relocation.

EDA can assist in true expansions through the establishment of new branches, affiliates, or subsidiaries, provided that such expansion will be carried out and operated without increasing unemployment at other places of business of the enterprise. To give effect to this limitation, EDA will inquire into the undertakings and operations of affiliated enterprises or enterprises under common control with the particular business which is to be benefited by the proposed project.

In considering whether a proposed expansion will result in an increase in unemployment at other facilities of a business enterprise, EDA will consider, among other things, traditional as well as current operating levels of employment, changes in demand for worker skills at the existing facilities, changes in capital investment at the existing facilities, and any relationship the proposed expansion may have upon the future prospects for operation of such existing facilities.

Name of Project
Boston Fish Pier Rehabilitation
City and State -
Boston, Massachusetts
Project No.
N/A

ASSURANCES OF COMPLIANCE WITH THE DEPARTMENT OF COMMERCE AND THE ECONOMIC DEVELOPMENT ADMINISTRATION REGULATIONS UNDER TITLE VI OF THE CIVIL RIGHTS ACT OF 1964 AND PUBLIC LAW 92-65

This form applies to: A. all Recipients receiving Federal financial assistance from the Economic Development Administration including: 1. applicants; 2. recipients of Federal financial assistance received from another recipient; 3. subgrantees; 4. leasees of or operators for a recipient; 5. successors, assignees or transferees, but not ultimate beneficiaries; and B. Other Parties to include any governmental, public or private agency, institution, organization or other entity, or any individual who has a direct or substantial participation in the program or project receiving Federal financial assistance from EDA, such as contractors, subcontractors, providers of employment, or users of the facilities or services.

Massachusetts Port Authority,

Name of Recipient or Other Party

(hereinafter called the "Recipient or Other Party") assures that as a Recipient or Other Party receiving Federal financial assistance from the Economic Development Administration, it will comply with Title VI of the Civil Rights Act of 1964, as amended (42 USC 2000d), the requirements imposed by or pursuant to Regulations, issued for the Department of Commerce and designated as 15 CFR Subtitle A Part 8, and any amendments thereto.

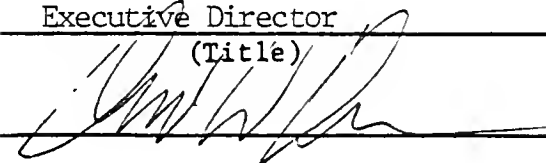
The Recipient or Other Party further agrees to comply with the provisions of Section 112 of Public Law 92-65 (42 USC 3123), the requirements imposed by or pursuant to the Regulations of the Economic Development Administration promulgated in 13 CFR Part 311 and any amendments thereto. In addition, Recipient agrees to secure the compliance or to cooperate actively with EDA to secure the compliance by others with the acts and the regulations.

Such requirements hold that no person in the United States shall on the ground of race, color, national origin, or sex be excluded from participation in, be denied the benefits of or be otherwise subjected to discrimination under any program or activity for which Federal financial assistance has been extended.

In accord with these assurances and without limiting the above, the Recipient or Other Party agrees that these assurances shall be binding upon them, their grantees, assignees, transferees, leasees, and successors in interest. These assurances shall also be binding through every modification or amendment to this project.


The Recipient or Other Party acknowledges that it has received and read the Department and EDA regulations, and that it is aware that if there appears to be a failure or threatened failure to comply with this part, and if the noncompliance or threatened noncompliance cannot be corrected by informal means, compliance with this part may be effected by the suspension or termination of or refusal to grant or to continue Federal financial assistance or by any other means authorized by law.

Total number of present employees _____.
This assurance is made and accepted this _____ day of February
_____, 19 79, for The Massachusetts Port Authority
Recipient or Other Party

By David W. Davis _____ 99 High Street
(Type Name) (Address)
Executive Director _____ (617) 482-2930
(Title) (Telephone Number)
 _____
(Signature)

I, George A. O'Brien, as Secretary of The Massachusetts
body corporate and politic Port Authority,
Inc., a ~~corporation organized and~~ existing by virtue of the laws of the
~~State of~~ Commonwealth of Massachusetts; or as _____
Authorized State Official
of the State of _____; or as _____
Authorized Official
of the county or municipality of _____ in the State of _____,

do hereby certify that the foregoing officer who executed this assurance has full authority to bind the Recipient or Other Party. In witness whereof I set my hand and affix the corporate, state, or municipal seal this _____ day of April, 19 79.



(Secretary or other Official)

FORM ED-612
(REV. 9-76)U.S. DEPARTMENT OF COMMERCE
ECONOMIC DEVELOPMENT ADMINISTRATION

ASSURANCE OF JOB OPPORTUNITIES FOR THE UNEMPLOYED

(See Explanatory Statement on back of form)

To be Executed by Business Development Loan Applicants and by Employers who are Substantial Beneficiaries of Public Works Facilities under Title I and II of the Public Works and Economic Development Act of 1965, as amended.

PROJECT DESCRIPTION

Rehabilitation of the Boston Fish Pier: Phase II the project involves physical renovation of the Pier, its buildings and utilities to provide facilities for and stimulate expansion of fishing and related industries.

PROJECT LOCATION

The Boston Fish Pier, Pier #6 is located off Northern Avenue in South Boston, a section of the City of Boston.

STATEMENT

The undersigned recognizing the purpose of the Public Works and Economic Development Act of 1965 as described on the reverse side of this form, represents to the Economic Development Administration the intention to give preferential consideration for employment, wherever possible, to the long-term unemployed and underemployed residing in the project area, in connection with the above identified project and the undertaking assisted thereby, and that the data submitted herein is correct.

EMPLOYER'S IDENTIFICATION NO. X-1

DATE B-75 B-77 B-79

MONTH 04 DAY YEAR 79

FOR OFFICIAL USE ONLY

DATA CONTROL NO. X-10

NAME OF APPLICANT OR BENEFICIARY A-38

Massachusetts Port Authority

SIGNATURE

PROJECT NO. X-13

OFFICIAL TITLE B-25

Executive Director

FIPS CODES

A-25

STREET B-55

CITY

A-29

99 High Street

STATE

A-31

CITY C-25

ZIP C-60

COUNTY

Boston,

S. I. C. NO.

A-34

STATE C-45

TELEPHONE A-68

Massachusetts

AREA A-71 (617)

TYPE BENEFICIARY A-78

COUNTY C-65

EXTEN. 221, 222, 223 A-74

Suffolk

NO. 482-2930

APPLICANT OR BENEFICIARY FIRM'S ESTIMATE OF THE NEW JOB OPPORTUNITIES CREATED BY THIS PROJECT

*For the purpose of this form, the following are considered minority persons:
Negro, Spanish-American, Oriental, American Indian, Eskimo, Aleut.

EXISTING JOBS
ADDITIONAL NEW JOBS TO BE CREATED
(Estimate)

JOB CATEGORIES	ALL EMPLOYEES												MINORITIES*				ALL EMPLOYEES				MINORITIES*				EXISTING JOBS	ADDITIONAL NEW JOBS TO BE CREATED (Estimate)
	MALE (25)	FE- (29)	TOTAL (33)	MALE (37)	FE- (41)	TOTAL (45)	MALE (49)	FE- (53)	TOTAL (57)	MALE (61)	FE- (65)	TOTAL (69)	MALE (73)	FE- (77)	TOTAL (81)	MALE (85)	FE- (89)	TOTAL (93)	MALE (97)	FE- (101)	TOTAL (105)					
	APPROXIMATE HIRING DATES																									

E.	Officials and Managers	48	2	50			84	4	88	21	1	22	
F.	Professionals	2		2			3	1	4	1		1	
G.	Technicians												
H.	Sales Workers												
I.	Office and Clerical	122	100	222		1	278	114	392	139	57	196	
J.	Craftsmen (Skilled)	330	6	336	19		659*	29	688*	303*	15	318*	
K.	Operatives (Semi-Skilled)	156	2	158	26	2	274	3	277	137	1	138	
L.	Laborers (Unskilled)	132	60	192	36	51	183	156	339	61	142	203	
M.	Service Workers and Others	88	46	134	2	2	167	71	238	60	59	119	
N.	TOTALS	878	216	1094	83	56	1648*	378	2026*	722*	275	997*	

*Employment figures obtained through a survey, with 39 out of 40 processors responding and 75% response by support industries. Actual figures should be slightly higher.

ARE TRAINING PROGRAMS PRESENTLY USED OR PLANNED BY YOUR FIRM? D-25

D-25 YES ☒ NO ☐

IF SO, PLEASE CHECK TYPE PROGRAM:

☐ MANPOWER DEVELOPMENT TRAINING ACT-MDTA

☒ ON-THE-JOB TRAINING - OJT

☐ APPRENTICESHIP

☒ OTHER (Specify) CETA

**Includes short term construction jobs (100 + total) between 1979 and 1981
***Recently, firms have hired a high percentage of minorities. See Exhibit 5A

ASSURANCE OF JOB OPPORTUNITIES FOR THE UNEMPLOYED

All programs and benefits under the Public Works and Economic Development Act of 1965, as amended, including loans, grants, technical assistance, and training will be administered with strict adherence to the policy of providing jobs wherever possible for the unemployed and underemployed residing in the designated areas eligible for EDA assistance.

Sec. 2, the Declaration of Purpose of the Public Works and Economic Development Act, states that the Federal Government, in cooperation with the States, should help areas and regions of substantial and persistent unemployment and underemployment to take effective steps in planning and financing their public works and economic development.

Title I, Sec. 101(a)(1)(A) of the Act provides that EDA can assist when, "The project for which financial assistance is sought will directly or indirectly (i) tend to improve the opportunities, in the area where such project is or will be located, for the successful establishment or expansion of industrial or commercial plants or facilities, (ii) otherwise assist in the creation of additional long-term employment opportunities for such area, or (iii) primarily benefit the long-term unemployed and members of low-income families or otherwise substantially further the objectives of the Economic Opportunity Act of 1964".

It is the policy of EDA to give the highest consideration to those projects which will provide jobs for the unemployed and underemployed residing in the project area.

Employers benefiting from EDA-assisted projects must assure EDA that they will wherever possible give preferential consideration for employment to the unemployed and underemployed residing in the designated area in which the project is located.

It may not always be possible to fill existing job vacancies from the ranks of the unemployed. In order to operate their businesses successfully, employers may seek qualified and skilled workers through their own established methods. However, consideration must be given to the unemployed labor force which qualifies the distressed area for EDA designation and thus enables such area to apply for Federal Loans and/or grants under this Act.

There exist established local, State, and Federal agencies and programs to assist employers in hiring and training qualified employees. The State Employment Services, State, and local vocational schools, and Federally assisted skill centers are specifically charged with collecting and recording pertinent data and available job skills and will assist in evaluating and preparing the unemployed to fill job vacancies.

Employers who are beneficiaries of EDA-assisted projects, when preparing their present and future employment plans and programs, should discuss such plans and programs with the appropriate agencies cited above before offering employment to workers residing outside the designated area.

In order to ensure that maximum feasible employment opportunities are made available to the unemployed residing in the project area, EDA requires applicants for public facility loans and/or grants to submit executed Form ED-612 and to obtain and submit to the government, together with the application, properly executed Forms ED-612 from all employers who are cited as beneficiaries of EDA-assisted projects.

EDA also requires each Business Development Loan applicant to submit to the Government, together with the application for financial assistance, a properly executed Form ED-612.

Under the regulations of the Department of Commerce implementing Title VI of the Civil Rights Act (1964) and Section 112 of EDA's Act, recipients of EDA business loans assistance (including their lessees, users, and operators), and substantial beneficiaries of public works assistance are required to take affirmative action to ensure that applicants are employed, and employees are treated during employment without regard to their race, color, national origin, or sex. Substantial beneficiaries of public works assistance are defined as those industrial and commercial enterprises or public entities which (1) are cited in the application and (a) provide all or part of the justification of the project or (b) will, as a direct result of EDA's assistance, create or save ten (10) or more jobs, or (2) although not cited in the application, in the opinion of the Assistant Secretary, provide all or part of the justification of the project.

Although all public works grant and loan recipients and substantial beneficiaries are covered by Title VI, those substantial beneficiaries who as a result of the project will construct a new facility at which they intend to employ 50 or more employees, or intend to expand the work force at the present facility by adding 50 or more employees are required to submit an affirmative action program. Further, each applicant for business loan assistance that employs or intends to employ 50 or more persons at the proposed EDA-assisted facility shall submit, as part of the application for such assistance, a written affirmative action program.

A properly executed Form ED-612 will be considered an essential part of the Affirmative Action Program.

1. Minority group identification: The term Spanish-Sur named American means those of Latin American, Mexican, Puerto Rican or Spanish origin. Eliciting information as to the racial or ethnic identity of an employee by direct inquiry is not encouraged. An employee may be included in the minority group to which he or she appears to belong, or is regarded in the community as belonging.

2. Antidiscrimination laws of a number of States and localities prohibit an employer from gathering preemployment information regarding the race, creed, color, or national origin of an applicant. However, enforcement authorities in all such States and localities have advised that their laws do not preclude employers from gathering such information subsequent to employment for the purpose of Government surveys.

3. If reproduced copies of this form are submitted, the size should not be materially changed in reproduction. Reports may be submitted as data processing printouts, provided the same information is given in the same sequence as it appears in this form.

Description of Job Categories

Officials and managers - Occupations requiring administrative personnel who set broad policies, exercise overall responsibility for execution of these policies, and direct individual departments or special phases of a firm's operations. Includes: executives, middle management, plant managers, department managers and superintendents, salaried foremen who are members of management, purchasing agents and buyers, and kindred workers.

Professional - Occupations requiring either college graduation or experience of such kind and amount as to provide a comparable background. Includes: accountants and auditors, airplane pilots and navigators, architects, artists, chemists, designers, dietitians, editors, engineers, librarians, mathematicians, natural scientists, personnel and labor relations workers, physical scientists, physicians, social scientists, teachers and kindred workers.

Technicians - Occupations requiring a combination of basic scientific knowledge and manual skill which can be obtained through about two years of post high school education, such as is offered in many technical institutes and junior colleges, or through equivalent on-the-job training. Includes: draftsmen, engineering aids, junior engineers, mathematicians, nurses, photographers, radio operators, technicians (medical, dental, electronic, physical sciences) and kindred workers.

Sales - Occupations engaging wholly or primarily in direct selling. Includes: advertising agents and salesmen, insurance agents and brokers, real estate agents and brokers, stock and bond salesmen, demonstrators, salesmen and sales clerks, and kindred workers.

Office and clerical - Includes all clerical-type work regardless of level of difficulty, where the activities are predominantly nonmanual though some manual work not directly involved with altering or transporting the products is included. Includes: bookkeepers, cashiers, collectors (bills and accounts), messengers and office boys, office machine operators, shipping and receiving clerks, stenographers, typists and secretaries, telegraph and telephone operators, and kindred workers.

Craftsmen (skilled) - Manual workers of relatively high skill level having a thorough and comprehensive knowledge of the processes involved in their work. Exercise considerable independent judgment and usually receive an extensive period of training. Includes: the building trades, hourly paid foremen and leadmen who are not members of management, mechanics and repairmen, skilled machining occupations, compositors and typesetters, electricians, engravers (job setters (metal), motion picture projectionists, pattern and model makers, stationary engineers, tailors and tailorssees, and kindred workers.

Operatives (semi-skilled) - Workers who operate machines or processing equipment or perform other factory type duties of intermediate skill level which can be mastered in a few weeks and require only limited training. Includes: apprentices (auto mechanics, bricklayers, carpenters, electricians, machinists, mechanics, plumbers, building trades, metal-working trades, printing trades, etc.), operatives, attendants (auto service and parking), blasters, chauffeurs, deliverymen and routemen, dressmakers and seamstresses (except factory), dyers, furnacemen, heaters (metal), laundry and dry cleaning operatives, millliners, mine operatives and laborers, motormen, oilers and greasers (except auto), painters (except construction and maintenance), photographers, process workers, stationary firemen, truck and tractor drivers, wearers (textile), welders, and kindred workers.

Laborers (unskilled) - Workers in manual occupations which generally require no special training. Perform elementary duties that may be learned in a few days and require the application of little or no independent judgment. Includes: garbage laborers, car washers and greasers, gardeners (except farm) and grounds-keepers, longshoremen and stevedores, lumbermen, ratemen and woodchoppers, laborers performing lifting, digging, mixing, loading, and pulling operations, and kindred workers.

Service workers - Workers in both protective and non-protective service occupations. Includes: attendants (hospital and other institutions), professionals and personal service (barbers, charwomen and cleaners, cooks (except household), counter and fountain workers, elevator operators, firemen and fire protection, guards, watchmen and doorkeepers, stewards, janitors, policemen and detectives, porters, waiters and waitresses, and kindred workers.

Apprentices - Persons employed in a program including work training and related instruction to learn a trade or craft which is traditionally considered an apprenticeship, regardless of whether the program is registered with a Federal or State agency.

On-the-job trainees - Includes persons engaged in formal training for craftsman when not trained under apprentice programs-operative, laborer and service occupations, or persons engaged in formal training for official, managerial, professional, technical, sales, office and clerical occupations.

Exhibits

1A. Need for Rehabilitation

1A. Attachments

1. Letter of Interest

1B. Description of Project

1B. Attachments

1. Work Description

2. Resolve #1 - 1976 Act and Resolves of the General Court of Massachusetts.

3. "The Fishing Industry in Massachusetts report prepared for the Massachusetts Port Authority, November 1977.

2. Employment Effort of Pier Rehabilitation.

2. Attachments

1. Boston Fish Pier Employment Survey.

2. Letter from L. Nealon, President of Seafood Workers Union.

3. Massachusetts Port Authority Non-discrimination Equal opportunity and affirmative Action Policy and Program.

3. Statements of Overall Economic Development Programs.

Boston Plan

Boston Overall Economic Program

Metropolitan Area Planning Council's Overall Economic Development Plan.

Economic Development Plan for Massachusetts.

EXHIBIT IV-1a

Boston and the New England region are in need of jobs. Growth of the fishing industry can help fulfill this need while allowing the inner city and the region to take advantage of the opportunities for expansion afforded by the 200-mile limit. Fishermen, boat owners, processors, packagers, transportation firms, retailers, restaurants, and consumers would all profit from fishing industry revitalization.

Processing firms are anxious to begin modernizing their operations in a rehabilitated Boston Fish Pier. Private investment in the area stimulated by this development will amount to \$60 million of investment. Numerous firms have contacted the Port Authority expressing interest in leasing space at the fish pier. However, because of the imminent plans for rehabilitation Massport has not leased space to them. Any improvements made would only be destroyed when rehabilitation work begins. Also, new tenants occupying now vacant bays would only make the provision of "swing space" during rehabilitation more difficult.

Boston is the historical center for the fishing industry and, more importantly, is located at the region's transportation center for both truck and air shipments. There is a firm foundation for substantial industrial growth at the pier. But the facility must be improved and modernized to realize its potential. Private industry's willingness to invest, however, depends on Massport's

ability to finish construction on the Fish Pier, which in turn depends on the EDA's financing of Grant II for the project.

Forty fishing firms currently operate at the pier and on Northern Avenue. (See Attachment IV-2). The decline of the past years is just beginning to reverse as these firms formulate plans for the renovation of their stores.

New containerization options for air freight will enable fish processing companies to greatly expand their markets. Previously it cost 55-60 cents per pound to ship fish to the West Coast. Now, however, a processor can use LD3 containers to send 3,000 pounds of fish at one time at a reduced cost of 20 cents per pound. Using LT2 containers reduces the cost further to 14 or 15 cents per pound when shipping 8,000 to 10,000 pounds of fish. Some firms are now considering shipments to Europe by air as catches there decline due to the 200 mile limit, and the West Coast market is opening up to Boston based firms.

The expansion of firms on the Boston Fish Pier will result in additional employment opportunities in a city with a high unemployment rate and a scarcity of blue-collar jobs. New entrants tend to be minorities, and a CETA program is in existence at the Fish Pier and expanding to bring in more unemployed. Growth in fishing and fish processing will also result in related growth in sectors which service this industry and in the marketing and distribution sectors of

the economy.

In addition, the city and region will benefit from the rejuvenation of the fishing fleet and pier in ways that cannot be quantified.

IV - 1A ATTACHMENTS

Outlined below are recent requests for space on the Fish Pier that the Massachusetts Port Authority has received. Names of the dealers are omitted.

<u>Type of firm</u>	<u>Space Requested</u>	<u>Type of Use</u>
Lobster dealer	14,000 sq. ft.	Will use this outlet in Boston as a distribution center.
Lobster dealer	undetermined	Interested in retail arrangement on the Fish Pier.
Shellfish dealer	undetermined	Interested in opening a distribution center in Boston.



February 13, 1979

Mr. Elliot Friedman
Massachusetts Port Authority
99 High Street
14th Floor
Boston, MA 02110

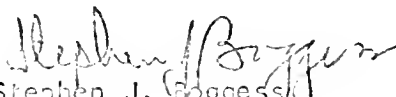
Re: Boston Fish Pier

Dear Mr. Friedman:

I am submitting a lease request for approximately 900 square feet on the Boston Fish Pier. This space would be utilized for the purpose of buying, selling, storage and distribution of fresh fish products. This facility will not be used for fish processing and the floor space will require an area suitable for a storage cooler, staging area and an office. Our Company, Golden Eye Seafoods, is a packer/processor of fresh fish and scallops in New Bedford.

If any further information is required in order to proceed with a lease request, please contact me at this telephone number: 1-617-996-3321.

Sincerely,


Stephen J. Gogges
President

SJB/aml

796 3321

EXHIBIT IV-1b

The Boston Fish Pier has served as the center of the region's fishing industry since its construction in 1912, providing employment for over 1,000 workers and a source of fresh and frozen fish for New England and the nation.

The pier is 1200 feet long and 310 feet wide. Four buildings remain on the pier: Buildings 1 and 2 house the majority of the fish processors in the area. The New England Fish Exchange is located in Building 3 at the end of the pier. Building 6, at the Northern Avenue end of the pier, is unused except for the boilers which provide steam for heating and hot water to all buildings of the facility. The Fish Pier was acquired by Massport from the Commonwealth of Massachusetts Acts of 1956 as one of the "port properties". The pier was operated privately until 1972. In that year the operators of the pier, the Boston Fish Market Corporation, sold the lease to the Massachusetts Port Authority.

Until 1977 landings at the Boston Fish Pier had declined steadily since peak years in the late 1930's when annual landings were over 300 million pounds. By 1961, according to the National Marine Fisheries Service of the U.S. Department of Commerce landings at the pier had fallen to 117 million pounds and the port of Boston ranked tenth in the list of "Landings at Certain U.S. Ports".

The year 1977 marked a turning point for the New

England fishing industry. In 1978 landings had increased to 27 million pounds, a 20% increase from 1977 landing totals of 22 million.

Furthermore, even during the so called "lean years" for New England fisherman Boston fish processors were handling a great deal of fish. In 1978, trucked-in fish exceeded fish landed by boat in Boston: 46 million pounds of fish were brought in over the road. This makes the total fish processed at the pier 73 million pounds.

The New England fishing industry is at a turning point. Industry and government experts expect that during the next five to seven years the fishing industry's decline will be reversed due to five factors:

1. The enactment of a 200-mile fishing zone:

The Fishery Conservation and Management Act of 1976 established a limited fishing zone of 200 miles off the coasts of the United States. Fishing within the zone is regulated by the U.S. Government. Limited species may be fished by foreign boats only if U.S. fishermen's catch falls below quota and total catch may not exceed quota. Thus the bill protects the U.S. fishing industry from excessive competition on the part of foreign subsidized boats and protects the fish stocks from long range population depletion. During the six month period after implementation of the limit, Boston fishermen reported an increase in their catch of 25% to 30% over the same period last year, as

reported by the National Marine Fisheries Service.

2. Boston Fish Pier's location near fish and labor supply and transportation networks linking it with expanding markets: Situated near the productive Georges Bank, which is expected to yield increasing fish catches during the coming years, the Boston Fish Pier is the ideal location for fishing industry redevelopment. Pier processors will be able to draw on Boston's large blue collar labor force as their processing plants expand. From Boston's prime location in the center of regional truck routes and only minutes from Logan airport, the firms can take advantage of the expanding markets for fish. The potential for increasing shipments to the Midwest, the West Coast, and abroad is great given the new types of containerization available which allow processors to reduce the cost of shipping fish. In 1977, fresh fish exports provided the sixth greatest tonnage value for all air cargo exports at Boston's Logan Airport. One company on the Fish Pier estimates that their firm's air shipments of fish will increase 40-60% during the next two to three years.

3. Private and public interests in fleet modernization:

For many years the government has endeavored to provide programs to aid the fishing industry, establishing such programs as the 1960 Fleet Improvement Act which provides loans for fleet construction. In spite of these efforts, the industry continued to decline the 200-Mile Limit seems to have turned this trend around. According to Marine

Fisheries Service economist, John Rittgers, more than 30 new vessels were added to the fleet in 1977. Three fishing vessels have been added to the Boston Fleet this year.

4. Private interest in investing in fish processing expansion: Private firms have expressed interest in expansion and development at the fish pier. These firms have already invested \$1.9 million in capital improvements that they expect will increase their gross revenues by more than \$23 million annually by the third year. Future renovation of the Fish Pier is expected to have a significant impact on the area. Private revenues leveraged by the facility could potentially total 60 million.

The Boston Fish Pier is the logical location for development of the added facilities necessary for revitalization and expansion of the Massachusetts fishing industry. Rehabilitation will be significantly less costly than new construction and will entail only temporary, rather than permanent, relocation as the bays are prepared for each firm. More importantly, expansion of the fishing industry at the Boston Fish Pier provides development of a regional and national industry in an inner city urgently in need of jobs. If the fishing industry in Boston is to take advantage of the 200-mile limit and renewed interest in fishing, rehabilitation of the pier is essential.

In 1976 the 200-mile work group - an ad hoc group assembled by the Lt. Governor to study the problems of the fishing industry and its prospects under the 200-mile limit

administered a questionnaire to Massachusetts fishermen, fish processors, fishing cooperatives and fish marketing organizations. Of the 500 questionnaires distributed, 67 were returned from 18 Massachusetts ports and harbors, Boston included.

In this questionnaire Boston fishermen and processors stated that the absence of mechanical equipment to unload a catch was a serious problem. The respondents also felt that a cold storage and freezing facility would be very important if Boston is to serve as a major landing port. In ranking facility needs, Boston questionnaire respondents gave highest priority to new processing plants. Feelings about the Fish Pier are summed up in the words of one respondent, "The present Fish Pier, with reasonable maintenance and sprucing up, is more than adequate for expansion from the view of boat owners. However, the pier processing facilities are a disgrace and must be improved and expanded to cope with additional landings in the future."

Last year, the Port Authority applied for and received an EDA Title I grant. These monies will be used to carry out phase I of the rehabilitation of the fish pier and will cover some pier and site work, improvements to the exterior of buildings 1, 2, 3 and the Power Plant, selected interior improvements, and some smaller items of architectural survey and boring work. The monies from the grant being sought now will be used to complete sections of the work begun under phase I.

The two phases of this project are intricately interrelated. It would have been much more economical and efficient to plan for and carry out construction in one phase. This has proven to be financially infeasible for Massport and the EDA. However, it is important that the two phases be as contemporaneous as possible.

This rehabilitation cannot be done without help from the Economic Development Administration. The pier has suffered from several decades of neglect and will need extensive work to be modernized.

In light of the arguments presented above, Massport urges the EDA to approve this application for Title I monies to rehabilitate the Boston Fish Pier as expeditiously as possible.

WORK DESCRIPTION AND ESTIMATED COST

The Fish Pier is 1200 feet long and 310 feet wide. Four buildings remain on the pier. Buildings 1 and 2 house the majority of the fish processors and wholesalers in the area. The combined total floor area of these buildings is 212,000 square feet. Building 3 (20,000 sq.ft.) at the end of the pier houses the New England Fish Exchange. The Power Plant is a six story building at the Northern Avenue end of the pier.

A number of physical improvements have been implemented in Phase I of this work, aimed at revitalizing the Boston Fish Pier and the Boston fishing industry. What follows is a summary of proposed improvements for the various project components that will complete the revitalization begun in Phase I and a brief description of conditions and needs. Additionally, there is a summary of construction costs reflecting realistic estimates of the dollars needed to proceed.

I. Site Work and Utilities:

A. Regrading and repairing of Pier Surfaces

Remove existing cobblestone and asphalt surface and regrade interior street to approximately six (6) inches below existing elevation.

New base coat and chip asphalt paving on interior street. Grade and pave archway areas from street to new apron surface. Include catch basins.

New concrete paving on apron area and raise apron elevation approximately one foot above the existing elevation. Reinforced, acid and waterproof, 6" concrete, 6" gravel base. (New concrete surface to be extended to all first floor and loading dock areas of Buildings 1 and 2. See specifications for Buildings 1 and 2).

B. New Utilities

Major utility repairs and replacement, including fresh water, treated salt water, heat, electricity and sewage, are essential for the proper functioning of the Fish Pier. The system renovations proposed are briefly as follows:

Utility Tunnels

Most of the utilities servicing the Fish Pier are located in a system of excavated spaces under the first floors of Buildings 1, 2, 3 and the Power Plant. Since these tunnels have no concrete walls or floors, corrosion

and water seepage are serious problems. No drainage is provided except percolation through the earth floor. Pipes and conduits are corroded and leaks exist in the pipes. Electric wires hang loose from the ceiling of the tunnel and repairs to the electrical system are dangerous because of water in the tunnels. Major improvements must be made to these tunnels.

Salt Water Distribution and Treatment

A supply of salt water is necessary for the cleansing of the pier and its apron. But problems occur with the distribution system during low tide. If salt water is not available, FDA sanitary regulations require that the pier be shut down. Installation of a new pump and a chlorination treatment system are proposed. Also a return line and separators for treatment of washdown salt water.

Fresh Water Distribution

Fresh water is distributed to the buildings from the city water main on Northern Avenue, through the utility tunnels. The valves of the water lines and the piping within the buildings need to be replaced as well as sections of the primary line.

Sewage System: Sanitary/Storm

All plumbing fixtures and floor drains at the pier are connected to the municipal sewage system. No adequate separation of storm sewer from sanitary lines exists. The sanitary lines, as a result, require frequent flushing due to the large amount of fish scales and trimmings which are admitted into the system through the floor drains. Obstructions have been noted in the sewage lines and in connections into the main municipal sewer line. In addition, fill underneath many of the sewer pipes has washed away, causing many pipes to crack and pollute the harbor. These sanitary and sewage lines must be separated, requiring considerable reconstruction and replacement of lateral and main sewage and sanitary lines.

Gas Distribtuion

Gas will be available to the Boston Fish Pier area but the existing lines are not adequate to supply the proposed new gas fired heating system. A new main distribution line will be installed in the pier street with necessary laterals to all buildings.

C. New Heating System

Heating

All buildings on the pier are now heated through a central boiler system, consisting of two high pressure steam

boilers. They were designed to generate high pressure steam to operate turbo-electric power generators and steam-operated refrigeration equipment (both of which are out of operation). These boilers are presently being operated at greatly reduced pressure generating steam for hot water and heating only. This reduced pressure operation diminishes the efficiency of the boilers and results in significantly higher operating costs. In addition, the existing system supplying the various tenants is not metered individually. Tenants are billed on the cube footage of the area they occupy.

This system has outlived its functional life. The boilers and piping must be replaced with a new system that would include individual metering to tenants to regulate fuel consumption and to charge tenants equitably.

Proposed are individual, gas fired heating units for each dealer and packaged roof-top gas fired units for the third floor office space, Buildings 1 and 2. Separate gas fired units are proposed for Building 3.

II. Core and Shell Construction Improvements to Buildings 1,2,3 and Power Plant

Construction improvements include all work required to rehabilitate and upgrade the interior and exterior of the basic buildings not included in Phase I: structural elements, repointing of brick at first floor and replacement of doors and lighting, sub floors, major interior walls,

stairs, rough utility distribution and any attendant demolition. The result would be a finished building shell ready for finishing and occupancy by tenants.

Core and shell construction does not include any finishes, construction or mechanical equipment particular to a specific tenant's needs. Building 3 includes all work not done in Phase I.

Truck dock canopies attached to Buildings 1 and 2 are also included in the core and shell construction as necessary improvements to the exterior of the buildings. For sanitary reasons the FDA has recommended that those areas adjacent to the building where the loading and unloading of fresh fish takes place be provided with canopies.

The primary use intended for Buildings 1 and 2 is continued and expanded fish dealer and processing on floors 1 and 2. Floor 3 will provide new rental space for office use. The two archways in each building will be utilized to provide major access to the 3rd floor tenant spaces. New ground floor lobbies will include elevator and stair access to the third floor.

Construction improvements outlined below include all exterior work required to rehabilitate and upgrade the exterior of the building not included in Phase I.

A. BUILDINGS 1 AND 2

Exterior

1. Replace windows and doors. All of Floor 1 and parts of Floors 2 and 3 not included in Phase I.
2. Repair door lintels and window lintels and sills.
3. Patch, repair, and paint stucco, all sides, 2nd and 3rd floor areas.
4. Clean and repoint brick and stone work with epoxy grouting where possible and reconstruct where necessary.
5. Resurface and flash roof areas not included in Phase I.
6. Remove exterior concrete stair from two archways.
7. Remove all wood structures from two archways, 1st and 2nd floors.
8. New exterior lighting at all overhead doors, entrances to archway area, and general lighting of outside areas.

Interior

1. Floor 1:
 - a. General demolition.
 - remove all existing concrete stairs.
 - remove all existing partitions between party walls.
 - clean existing utility tunnel and remove all existing pipes, conduit, etc.

- miscellaneous demolition and cleaning.
- remove tile block party walls as needed.
- b. New concrete floor, including loading docks, 6 inch gravel and 6 inch reinforced, acid and waterproof concrete. Extend floor drain.
- c. Dock levelers, 6 ft. length x 5.5 ft. width with 12 inch differential capacity. (Installation by tenant, as needed).
- d. New steel pan concrete filled stairs, 52 total.
- e. Patch and paint all masonry ceilings.
- f. Clean and repoint any interior brick work.
- g. New utilities.
- h. Rough-in utilities (plumbing, electrical and heating).
- i. New masonry party walls as needed.
- j. Install cross or K-bracing where required.

2. Floor 2:

- a. General demolition.
 - remove all existing concrete stairs (65).
 - remove all tile block party walls as needed.
 - remove all existing partitions between party walls.
 - remove all existing toilet rooms and fixtures.

- miscellaneous demolition and cleaning.
- b. Level and resurface all concrete floors.
- c. Fill old stair openings in floor (34)
- d. Patch and repair masonry ceilings and party walls that remain.
- e. New masonry party walls as needed.
- f. Install cross or K-bracing where required.
- g. Rough-in utilities (plumbing, electrical and heating).

3. Floor 3:

- a. General demolition
 - remove masonry party walls as needed.
 - remove all partitions between party walls.
 - remove all existing toilet rooms and fixtures.
 - remove vent areas above 2nd floor toilet rooms.
 - miscellaneous demolition and cleaning.
- b. Level and resurface all concrete floors.
- c. Fill all stair openings in floor (66).
- d. Install egress stair at ends of each building and at the middle of each Building section to third floor to ground floor - (10) 3 floors.
- e. Install elevator and stair core at each archway (4), include 3rd and 1st floor service with lobby area at ground level in arch.

- f. Rough-in utilities (plumbing, electrical and heating).
- g. Install sprinkler system.

B. Building 3:

Exterior floors 1 and 2:

1. Replace all windows and doors, replace or repair mullions and glass at north and south entrances under arch.
2. Clean and repoint all brick.
3. Patch and repair stucco.
4. Repair and replace copper on parapet, and clean pediment stone work.
5. Repair entrance stairs and sidewalks.

Interior

1. Clear out existing partitions.
2. Remove existing toilet room fixtures and strip walls.
3. Repair water damage from roof leaks.
4. Repair and paint walls in atrium, corridor and stair areas.
5. two new fire stair and enclose each stair with fire rated wall and door.
6. New toilet rooms.
7. Install new elevator.

C. Power Plant Building:

Interior:

1. General demolition:

- a. remove boilers and demolish smoke stack and coal hoppers.
- b. remove interior walls and partitions except concrete wall between boiler room and rest of building.

D. Truck Dock Canopies

These consist of an eight foot projection from the building facade over the truck docks and along the full length of the street side of Buildings 1 and 2 excluding archway areas. A cantilevered light weight metal frame with a translucent covering is proposed.

III. INTERIOR RECONSTRUCTION OF FISH PROCESSING

AND FISH INDUSTRY RELATED AREAS:

BUILDINGS 1, 2 AND 3

Interior reconstruction of fish processing and fish industry areas includes necessary improvements and renovations to create efficient and functional fish processing facilities and related office and service areas. Reconstruction would specifically include alteration or rebuilding of non-load-bearing partitions, doors, freezer walls and insulation, surface finishes, toilet rooms, mechanical rooms and service.

It would not include special equipment and machinery such as refrigeration units, fish processing equipment, gurry tanks.

Relocation

Construction will be phased to allow for continuing operation of the fish dealers during the construction period. Given that many of the existing bays are vacant, rehabilitation can be phased to reduce relocation expenses. Every effort will be made not to relocate a tenant to a temporary location before they are moved to their permanent rehabilitated location. There may, however, be circumstances where this is unavoidable because of construction cost and staging problems.

Relocation costs vary greatly according to size of dealer and special equipment (refrigeration, freezing, processing) used. Every effort will be made to avoid relocating dealers with large amounts of freezing and processing equipment. These will be given relocation priorities to avoid unnecessary moves and minimize relocation costs.

A. Fish Dealer Areas, Floors 1 and 2, Buildings 1 and 2

Schematic Design Drawings for fish dealer areas were prepared during Phase I for Buildings 1 and 2 and are the basis for the following Outline Specifications. Drawings are enclosed.

TENANT FINISHES, FISH DEALERS

Reconstruction will include alteration or rebuilding of non-bearing partitions, doors, freezer walls and insulation, surface finishes, toilet rooms, locker rooms, mechanical rooms and service. It would not include special equipment and machinery such as refrigeration units and fish processing equipment.

Floor 1

1. Install cooler/freezer walls, insulate walls and ceiling, install ice bin and insulate.
2. Install two sliding doors.
3. Epoxy paint on all masonry finishes.
4. Plastic tile wall covering in all processing areas.

5. Install office, including walls with glass panels and doors.
6. Toilet room with ceramic tile wainscot and floors and fixtures.
7. Furred pipe space for utilities.
8. Electrical service.
9. Heating and ventilating.

Floor 2

1. Office area with suspended acoustic tile ceiling, vinyl asbestos tile flooring and base, interior doors and partitions.
2. Locker area with suspended acoustic tile ceiling, vinyl asbestos tile flooring and base, interior partitions and doors.
3. Mens' and womens' toilet rooms including plumbing fixtures.
4. Paint all walls.
5. Electrical service.
6. Heating, ventilating and air conditioning.

B. Office Space Floor 3, Buildings 1 and 2

Office Tenant finishes will include the following:

1. Drywall finish and paint on all exposed surfaces.
2. Toilet rooms' walls will be finished with ceramic tile and plaster.
3. Doors, including door hardware.
4. Partitions within premises within office space, doors included in partition walls.

5. Suspended acoustic ceiling.
6. Floor finishes.
7. Lighting.
8. Electrical and telephone service.

C. Building 3, Office Space Alternative

Proposed future use of Building 3 is commercial - office space on floors 2 and 3 and alternative commercial or office uses on floor 1.

Office use is proposed for these floors and a square foot cost taken from the outline specifications for Office Tenant Finishes for Floor 3, Buildings 1 and 2, above, and based on the actual areas of floors 2 and 3 was used to determine the total cost shown in the Construction Cost Summary.

CONCLUSION

The projects outlined here will vastly improve operations at the Fish Pier. Present facilities are deteriorated, dangerous and unsanitary. Upgrading the Fish Pier will encourage fish processors and dealers to expand and will attract new business and employment to the Pier. All work described above has been coordinated with the work already in progress under EDA Grant #01-01-01749.

COST SUMMARY

1. B. f e l e		
A.	<u>Regrading and Repaving of Pier Surface (Street and Apron)</u>	477,200
1.	Remove existing cobblestone and asphalt surface and regrade.....	75,300
2.	New base coat and asphalt paving on street.....	93,000
3.	New concrete paving on apron, raise elevation one foot above existing.....	308,900
B.	<u>New Utilities</u>	659,000
1.	Utilities tunnels.....	349,500
2.	Salt water distribution and treatment, fresh water distribution and sewage gas distribtuion and sanitary systems.....	309,500
C.	<u>Heating</u>	718,000
1.	Individual gas-fired units, Buildings 1 and 2.....	210,000
2.	Packaged roof-top units, Floor 3, Buildings 1 and 2.....	420,000
3.	Gas-fired units, Building 3.....	88,000
D.	<u>Core and Shell Construction Improvements</u>	2,259,300
1.	<u>Buildings 1 and 2</u>	1,640,800
	Exterior.....	500,000
	Interior.....	1,140,800
2.	<u>Building 3</u>	267,300
	Exterior.....	72,900
	Interior.....	194,400

3.	<u>Power Plant Building.....</u>	71,000
	Interior, general demolition	
4.	<u>Truck Dock Canopy.....</u>	280,200
E.	<u>INTERIOR FINISHES OF BUILDINGS 1, 2, AND 3</u>	2,711,300
1.	Fish Dealer Areas, Floors 1 and 2, Buildings 1 and 2.....	1,525,100
2.	Office Space, Floor 3, Buildings 1 and 2.	1,058,200
3.	Building 3, Office Space Alternative.	128,000

COST SUMMARY - EDA 101P: PHASE II

I.	<u>Site Work and Utilities</u>	1,854,200
II.	<u>Core & Shell Construction Improvements</u>	2,259,300
III.	<u>Interior Finishes, Buildings 1,2,& 3</u>	2,711,300
	<u>Sub-Total Construction Costs</u>	6,824,800

RESOLVE PROVIDING FOR AN INVESTIGATION AND STUDY BY THE MASSACHUSETTS PORT AUTHORITY RELATIVE TO AIDING THE STABILITY AND EXPANSION OF THE MASSACHUSETTS SEAFOOD INDUSTRY.

RESOLVED, That the Massachusetts Port Authority is hereby authorized and directed to make an investigation and study of the subject matter of current house document numbered 1796, providing for aid to the stability and expansion of the Massachusetts seafood industry. Said Authority shall, in the course of its investigation and study, consult with the secretary of environmental affairs, the secretary of commerce and development, the secretary of transportation and such other secretariats as may be necessary.

Said Authority shall consider but not be limited to the following: the effects the proposed two hundred mile fishing limitation will have on the fisheries usually fished by Massachusetts fishermen, particularly those servicing the Boston Fish Pier, the effect of the demand for new boats and the number to be expected over the next five years, and the training of a sufficient number of persons to work as fishermen, deck hands, and various other occupations. Said Authority shall also consider an examination of various species and where they are landed to determine the effects that such species would have if landed at the Boston Fish Pier or various other Massachusetts ports. Said Authority shall also consider the demand for processing facilities both new and rehabilitated, to accommodate the increased fresh fish to be landed at the Boston Fish Pier as well as available trained personnel to process it, unload it and prepare it for shipment. Said Authority shall also consider the economic impact that the two hundred mile limit may have on the increased distribution of fresh fish out of the various Massachusetts ports as well as the distribution techniques presently employed and what form such techniques

may take in the future. Said Authority shall also consider the possible effect and impact of any oil spills or related damages within the two hundred mile limit upon the fishery facilities located at the various ports of the commonwealth. Said Authority shall also consider chapter eleven hundred and four of the acts of nineteen hundred and seventy-one, relative to extending the lateral boundaries of the commonwealth drawn seaward to a distance of two hundred miles. Said Authority shall also consider any issues it deems necessary in order to properly evaluate the impact of the new federal two hundred mile fishing limit. Said Authority shall report to the general court the results of its investigation and study, and its recommendations, if any, together with drafts of legislation necessary to carry its recommendations into effect, by filing the same with the clerk of the house of representatives from time to time, but shall file an annual report no later than the last Wednesday of December, nineteen hundred and seventy-seven.

House of Representatives, February , 1977.

Passed, , Speaker.

In Senate, February , 1977.

Passed, , President.

, 1977.

Approved,

Governor.

THE FISHING INDUSTRY IN MASSACHUSETTS

(Report prepared for the
Massachusetts Legislature
by the Massachusetts Port Authority
November, 1977.)

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NOTES

Preface

With the passage of the Fishery Conservation and Management Act of 1976 and implementation of the 200-mile limit which it mandates, there has been a resurgence of interest in the fishing industry. Recognizing the potential impact of the 200-mile limit on the fishing industry in Boston and in Massachusetts in 1976, the Massachusetts legislature passed a bill directing the Massachusetts Port Authority to prepare a study "relative to aiding the stability and expansion of the seafood industry in Boston". The Authority was directed to consider:

- 1) - the effects of the 200-mile limit on fisheries fished by Massachusetts fishermen, particularly those from the Boston Fish Pier;
- 2) - the demand for new fishing boats;
- 3) - the demand for additional fish processing facilities to handle the increased fish landed at the Boston Fish Pier;
- 4) - the possible expansion of presently underutilized species;
- 5) - the possible impact of offshore oil on Massachusetts fishing.

In undertaking this study we have recognized that there is a large volume of work ongoing in this area; particularly on the part of the 200-Mile Fisheries Work Group coordinated by the Office of the Lieutenant Governor. Rather than duplicate the work of other groups we have compiled and summarized ongoing research and survey efforts to provide the interested reader and policy maker with a complete introduction to the fishing industry in Massachusetts and the issues it faces. The extensive bibliography will allow those interested to pursue particular subjects in more detail.

This report has been prepared by the staff of Massport's Planning Department under the supervision of Planning Director, Catherine Donaher. Gail Monahan was principally responsible for interviews, data collection, and writing the first draft of the report while an intern at Massport. Anne Aylward edited and wrote later drafts of the report. We are grateful to members of Massport's Marketing and Maritime Departments for their comments and suggestions. We are particularly grateful to Hugh O'Rourke, Executive Secretary of the Boston Fisheries Association, for his willing contribution of time and information and many helpful suggestions.

I. Description of the Massachusetts Fishing Industry

What is commonly referred to as "the Massachusetts Fishing Industry" is in fact an extremely complex and highly fragmented sector of the economy - an array of inter-related parts each with its own actors and issues. In this section the various components of this complex industry and their operations are described.

There are two basic components of the fishing industry which must be considered: harvesting and processing. While the two are historically closely linked, their relationship has changed significantly in the last twenty years. During this period the total employment in fish harvesting and fish processing has remained relatively constant in Massachusetts (about 5,000 jobs); however, an increasing proportion of these jobs¹ has been in processing rather than in fish harvesting. The link between these two sectors of the industry, and the link between the domestic and foreign fish harvesting operations are important aspects of the fishing industry.

Traditionally, there has also been a close geographic link between harvesting and processing fish. However, this link has become weaker as the share of U.S. consumer seafood caught by the U.S. fishing fleet declined. U.S. processors now handle primarily imported fish trucked from Canada or shipped as containerized freight through U.S. ports. If this switch to foreign imports continues processors may move closer to foreign suppliers or regional distribution centers, the historical geographic link between harvesting and processing may disappear and seriously effect the employment and economic balance in smaller fishing ports.

A. Fish Harvesting

(1) - Location: New England's coastline parallels the southern end of a continental shelf which extends for one thousand miles along the Northwest Atlantic Coast from Newfoundland to Long Island. Eighty species of edible fish and shellfish can be found in the waters within three sailing days of the principal ports of New England. Eight or nine species of groundfish (those which feed on the ocean floor) have historically made up the bulk of the catch. Most important are haddock, flounder, cod, ocean perch, whiting, and hake.²

Georges Bank, part of this continental shelf, is one of the most productive fisheries in the world. The fish on Georges Bank are a renewable resource that can provide high protein food as long as the resource is well managed. However, the commercially important species on the Bank are presently over³exploited, having been over fished for a decade or more.³ It is expected that effective enforcement

of the quotas established under the 200-mile limit legislation in 1976 will allow stocks to regenerate.

(2) - Fishing Fleet: 404 fishing vessels operate out of the major Massachusetts ports of Boston, Gloucester, New Bedford, Provincetown and Chatham. 80% of U.S. fishing vessels are individually owned and operated. 84% are under five tons. They are old ships, averaging 28 years of age. The typical Massachusetts vessel is a moderate sized trawler between 65 and 100 feet in length and powered by 300 to 700 horsepower engines. The great majority of the groundfish caught by domestic fishermen on Georges Bank is captured by such trawlers. (In 1974 the proportion was 93%).

The cost for a new trawler is \$500,000 to \$1,000,000. High profit boats, at present, are generally moderate sized vessels which can be operated by small crews, achieving nearly equivalent revenues to the larger trawlers at a lower cost. Due to depleted fishing stocks, the larger vessels frequently are forced to return to port before capacity to prevent spoilage of their catch.

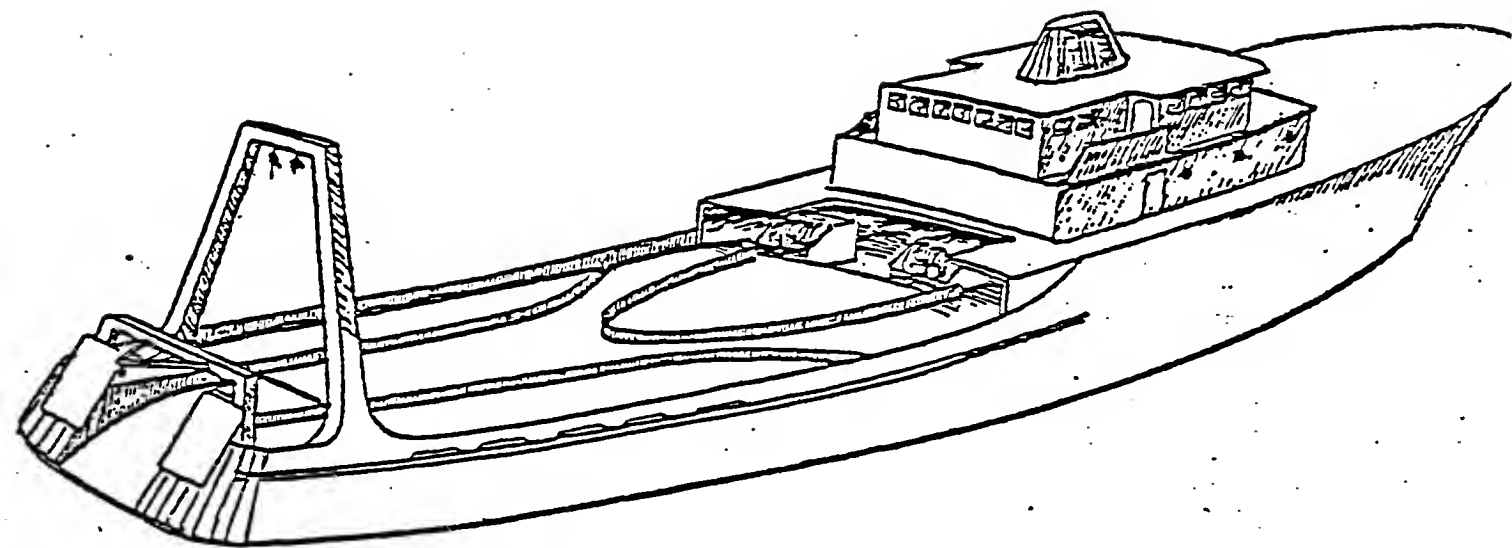
Various sources rate the useful life of a fishing vessel differently: the Internal Revenue Service allows depreciation over ten years; banks will mortgage new vessels for upwards of twelve years; federal guarantors will allow fifteen years for mortgage amortization; and the shipping industry estimates a twenty year life-span for an adequately maintained vessel. Constant refitting may stretch this to thirty years at most.

This creates an atmosphere in which individual owners must choose, after some years in the industry, either to re-invest in a ship at high expense or to leave the industry. Figures show that whatever the dynamics, the fleet remained stable throughout the last decade (1965-75) and that fleet expansion did not occur in anticipation of the 200-mile limit.

However, the increased catch since March 1st has resulted in a sharp increase in boat construction. In October 1977 Forbes Magazine reported that 35 new commercial fishing vessels are being built for the New England fleet, at least three times as many as have entered the fleet in the past two years. The vessels being constructed are two to three times as large as the traditional trawler.

Large trawlers (120 feet and up) are generally owned by fleet owners. In Boston (which has historically accounted for the greatest number of large trawlers in Massachusetts and New England) those fleet owners have been large fish processing firms. As these firms have switched from fish caught by domestic fishermen to fish imported from foreign vessels, large trawlers have also declined from 59 in 1947,

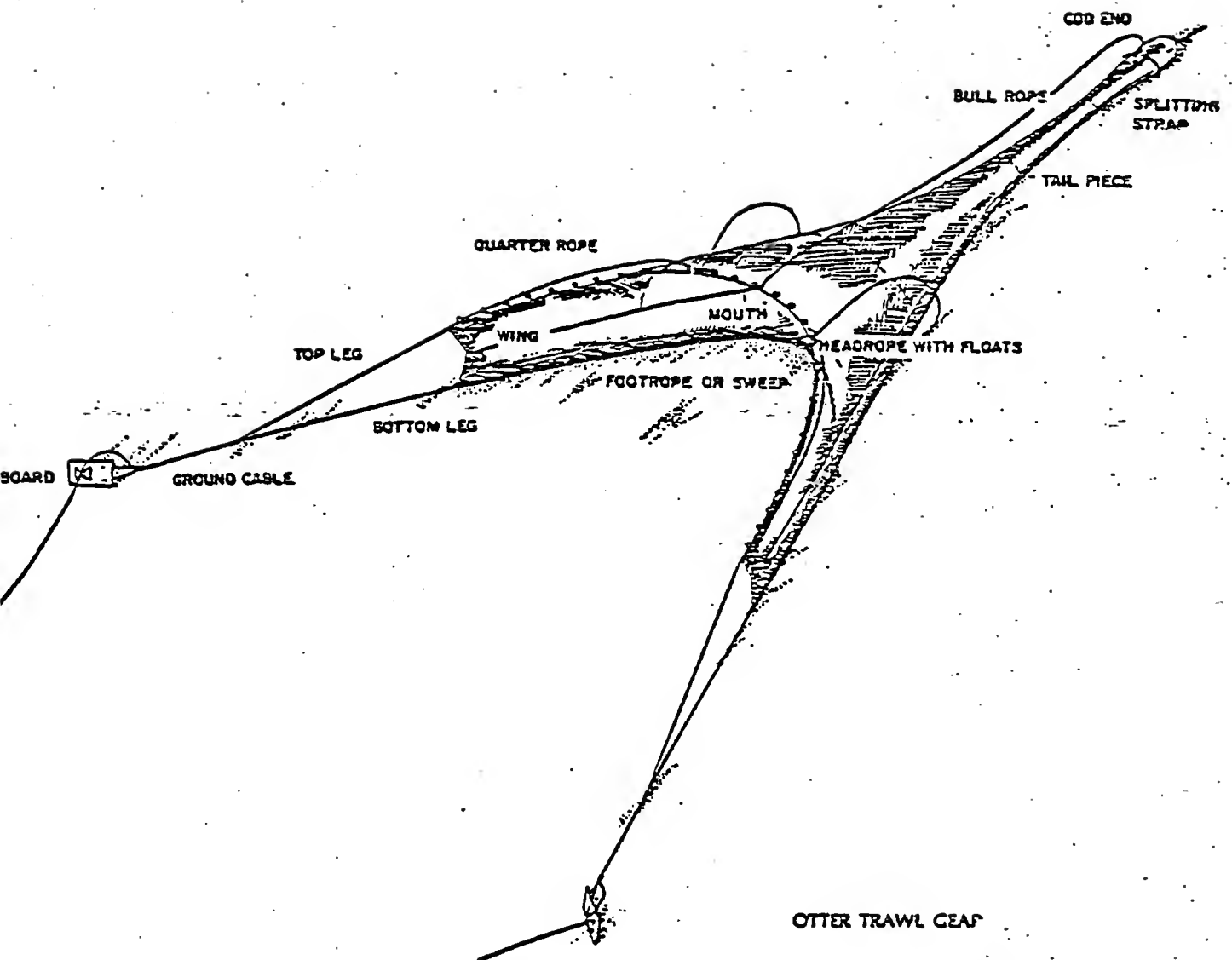
FIGURE 1



LARGE MODERN STERN TRAWLER

Source: Effects on Commercial Fishing of Petroleum Development
off the Northeastern United States, Woods Hole Oceanographic
Institute, April 1976.

FIGURE 2



Source: Effects on Commercial Fishing of Petroleum Development off the Northeastern United States, Woods Hole Oceanographic Institute April 1976,

FIGURE 3

HAULBACK - WESTERN RIGGED STERN TRAWLER

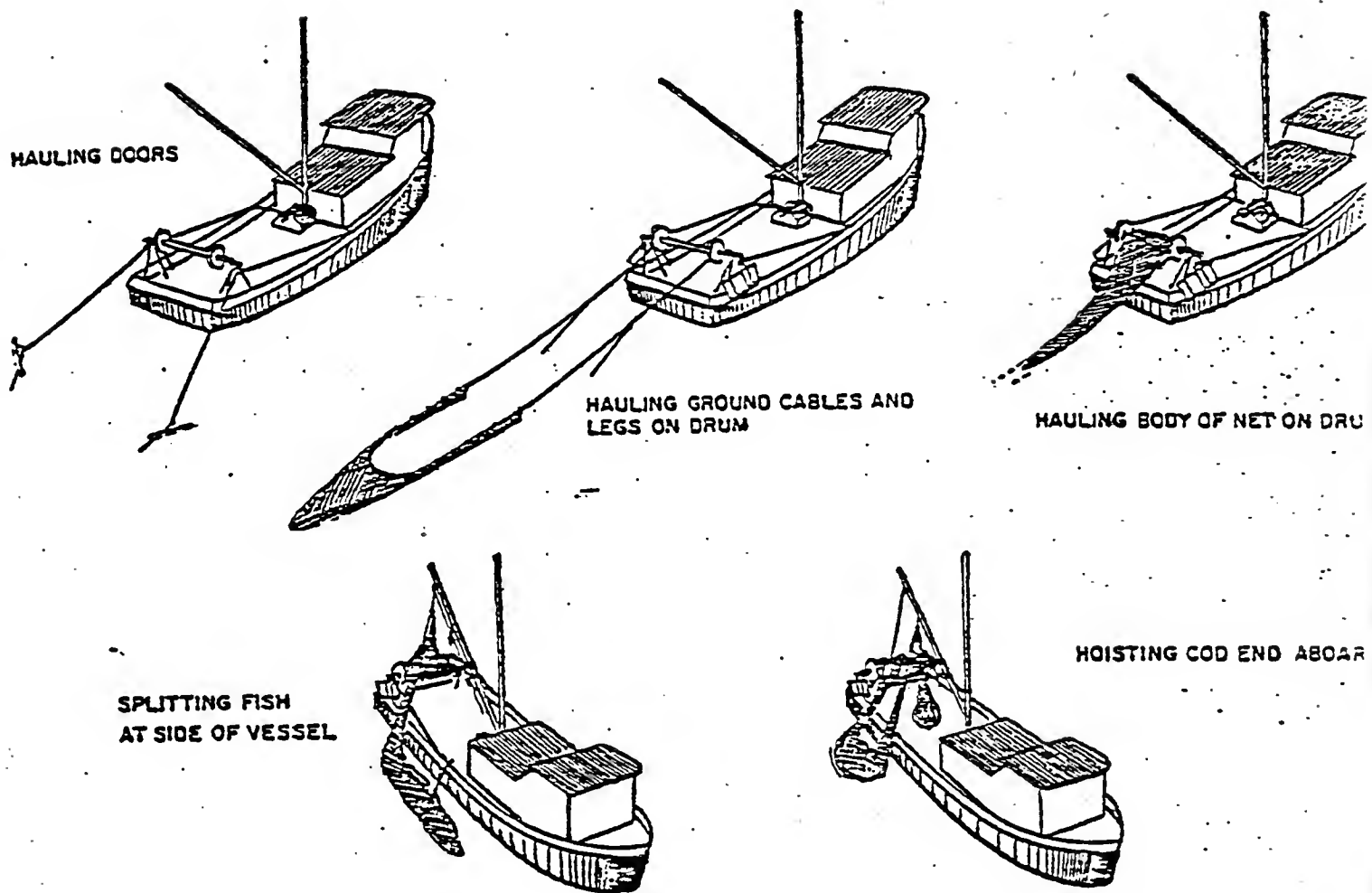
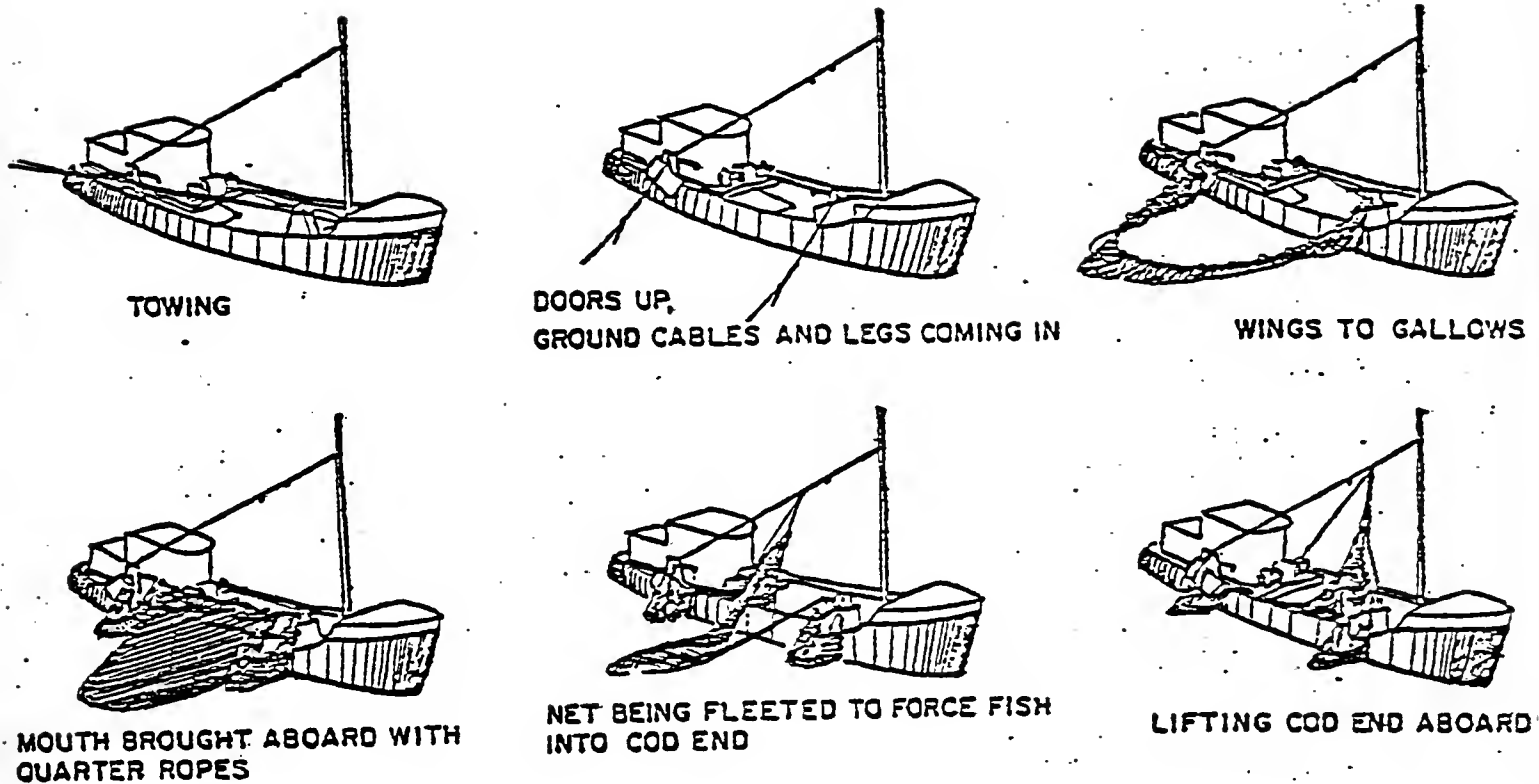


FIGURE 4

HAUL BACK - SIDE TRAWLER



Source: Effects on Commercial Fishing of Petroleum Development off the Northeastern United States, Woods Hole Oceanographic Institute, April 1976.

to 9 in 1971.¹¹

(3) Operations: Groundfish vessels (Fig. 1) spend an average of 153 days per year at sea, an average trip lasting four to seven days depending on the weather, the success of the fishing and the distance of the fishing grounds from port.¹²

The fishing vessel trawls up and down on a parallel course, hauling in the nets at approximately 1 1/2 to 2 hour intervals. Under good conditions 1,000 to 3,000 pounds of fish may be taken in one haul. The vessels use otter trawls, (Fig. 2), a flattened funnel of webbing which is towed over the seafloor behind the vessel, scooping up fish which live ¹³on or just above the bottom - thus the term groundfish. This procedure is illustrated in Figure 4 for stern travelers and Figure 5 for side trawlers. ✓
✓

The caught fish are gutted on board the vessel, reducing the weight of the fish from its "round" weight to its "landed" weight. The fish are then sorted and stored in ice in pens in the hold of the vessel.

Once at port "lumpers" (members of the longshoremen's union) unload the fish, using pitchforks, into baskets which are hoisted up to the dock and dumped into crates, barrels, chutes, or carts. At this point the product is further sorted, de-iced and weighed.

(4) Fishermen: Over the years the legendary yankee fisherman has given way to a more varied ethnic group. In New England distinctive sub-cultures have evolved at the various fishing ports. The fishermen of Provincetown are predominantly Portuguese-Americans, Gloucester's boats are manned by Italian Americans, New Bedford is dominated by men of Canadian, Portuguese and Norwegian heritage, and many of Boston's fishermen emigrated from Canada's Maritime Provinces during the depression following the first World War.¹⁴

Fishermen work six hours on, six hours off seven days a week while at sea. Their earnings have increased in recent years as the size of the crew has decreased and the price of fish has risen. On the average a deckhand can now expect to make \$20,000 a year while a skipper can make up to \$35,000.¹⁵ This would be based on a minimum of twenty-five ten day trips a year. The typical trawler now has six to eight crew members. Ten years ago the same vessel would have had a crew of fourteen to sixteen men.

Fishermen work under a "lay" arrangement. Each fishing trip is a joint venture between the vessel owners, captain and crew. From the gross profits of the trip are deducted certain expenses: the cost of wharfage, auction fees, cost

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of weighing scales. What remains is referred to as the net stock and of this, 60% is allotted to the vessel owners and 40% to the crew members. From the crew's share the cost of fuel, ice, groceries and labor at dockside is deducted. A 10% bonus for the skipper is deducted from the owner's share. In the event the fishing trip does not register a profit the vessel owners guarantee the crew members a minimum wage of \$15 per day.

Earnings of fishermen are unstable; they fluctuate from trawler to trawler, from trip to trip and from one season to the next depending on fishermen's luck,¹⁶ the skipper's smell for fish, the operation of the vessel¹⁶ and above all, the price of fish.

Over the years, the Atlantic Fishermen's Union has sought to maintain some control over prices for landed fish. In a landmark decision in the late 1940's, however, the Massachusetts courts ruled that efforts to restrict landings and other tactics to force processors to pay higher prices were violations of the Commonwealth's anti-monopoly act. The court ruled that fishermen's efforts to increase their earnings must be restricted to negotiations with the boat owner on whose boat they fish.¹⁷

Since fisherman's wages are tied to the earnings of the boat, fishermen employed on the newer, more productive boats earn substantially more than their counterparts on the less productive, older vessels. Thus, average wage levels may be somewhat deceptive when used to judge the attractiveness of the fishing industry. This is particularly important because new entrants into the fishing labor force must serve on the marginal vessels to gain experience before they can obtain a berth on a newer, more productive boat. This compounds¹⁸ the problem of attracting younger men to the industry.

(5) Prices: Because fish landings fluctuate greatly, prices also vary widely. On days when a number of trawlers come into port at the same time, haddock landed may run as high as 25,000 pounds at the Boston Fish Pier. When volume is high, prices tend to become depressed. On other days landings fall as low as 500 pounds or none at all, low volume pushes the price back up again. Each time a boat lands catch, the captain takes a chance on the market. If a number of boats land at the same time the price drops. If his is¹⁹ the only boat in port that day the price will be higher.

The instability of both volume and price is an important characteristic of the domestic fishing industry. This classic example of pricing based on supply and demand creates severe problems for fishermen, boat owners, and processors.

B. Imported Fish

Another factor affecting the pricing of fish in New England is imported fish. Over 60% of the fish consumed in the U.S. is now imported. Truck deliveries of imported fish to Boston tend to depress the market for fish landed locally. For example, cod normally \$.37 a pound will drop to \$.20 a pound on some days because of foreign imports trucked over the road from Canada.²⁰ More than half of the fish processed in Boston is brought to the Fish Pier by truck.

In addition to this fresh fish which is trucked in, frozen blocks of fish imported through the ports of New York and Gloucester and through Moran Container Terminal in Boston are also trucked to the Boston Fish Pier for processing. This frozen block fish competes less directly with local landings since it is the raw material for frozen fish processors while the domestic fleet fishes primarily to meet the demands of the fresh fish market.

A sizable quantity of the fish imported to the United States from Canada is not caught by Canadian vessels, but imported from other nations. Foreign fishing vessels use Canadian ports to land fish for U.S. processors because U.S. law prohibits landing at U.S. ports of fresh fish caught on any but U.S. built and manned vessels.

The islands of St. Pierre and Miquelon off the coast of Newfoundland are free ports which are often used for landing fish. Their free port status means that any nation can land fish there duty free and then export duty free to any port in the world. Poland, West Germany, Portugal, and Spain are the major countries landing fish here. A large portion of these landings are sent processed or whole to Canada, especially the port of Halifax. Once in Canada, the fish may be further processed or sent directly to the U.S. by boat, ferry, truck, or rail. Although specific numbers are not available concerning these imports, reliable sources say that up to 25% of our²¹ Canadian imports may originate at St. Pierre and Miquelon.

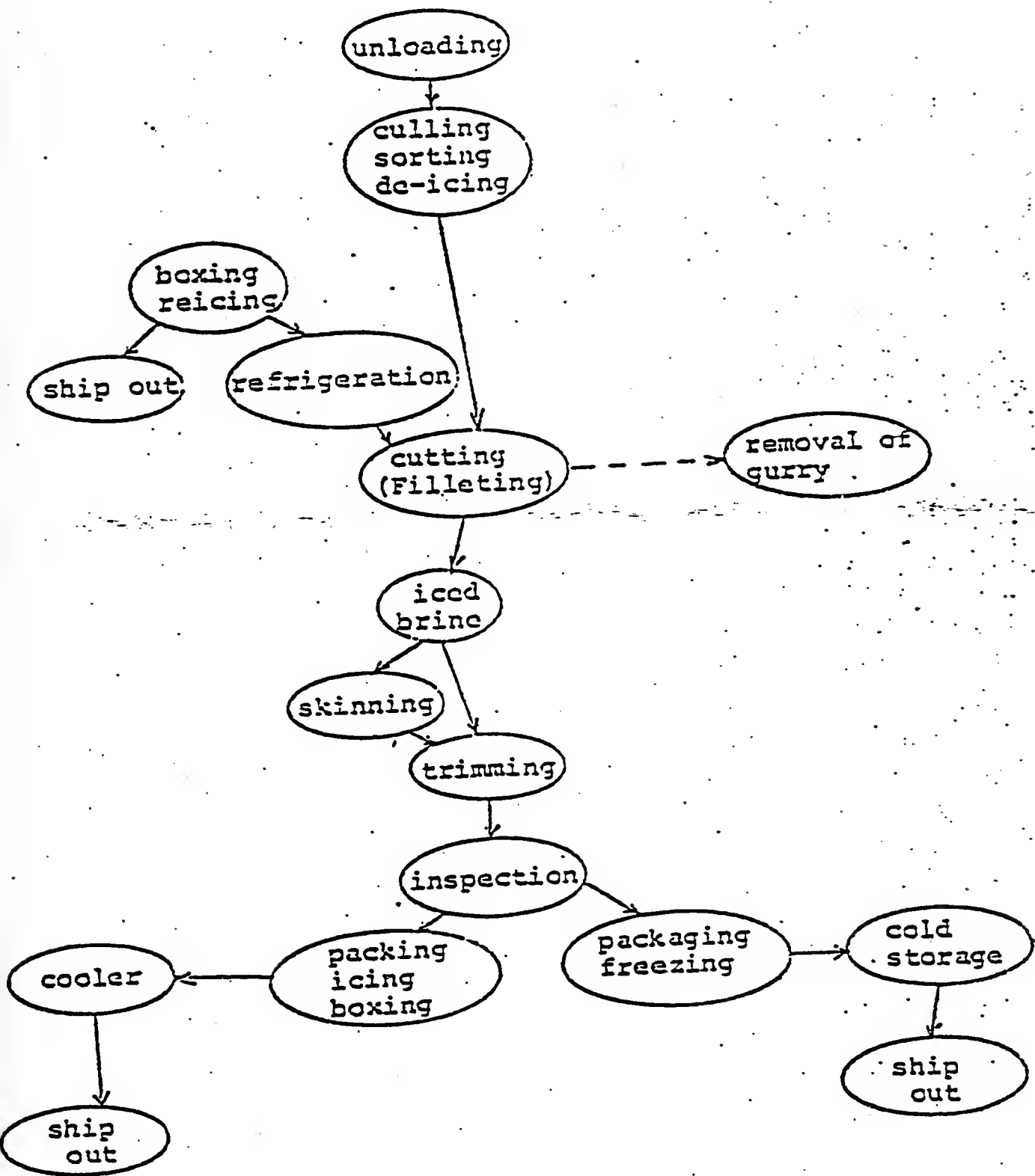
C. Fish Processing²²

There are two basic types of processing: fresh and frozen. Fresh fish processing is labor intensive, requiring skilled workers for the cleaning, filleting, and cutting of the fish. Frozen fish processing is highly automated with conveyor belts, automatic cutting devices, quick cutters and freezers.

Most fish processors run small operations. Only 17% have annual sales over \$1 million, while over half have annual sales under \$100,000.²³ Of the 226 processing plants

FIGURE 5

FRESH FISH PROCESSING



in New England, 159 process fresh fish, 75 process frozen fish, 21 process canned fish and 7 cure fish. However, the frozen fish processors produce a much greater volume of²⁴ fish - nearly four times the value of processed fresh fish.

These two types of processing are described below:

(1) Fresh Fish Processing: The typical fresh fish processing plant in New England is a single line production filleting plant. These plants are small and often located directly on or adjacent to the pier. The average size of such a plant is about 10,000 square feet for both processing and filleting.

Figure 5 illustrates the procedure in a typical filleting operation. After entering the plant the fish may be re-iced and boxed for storage or shipping or they may go immediately to processing. The labor for a filleting operation consists of a foreman, floormen, cutters, skinners, trimmers, weighers and packers. The equipment might consist of skinning machines, various conveying equipment, brine tanks, filleting machines, cutting boards, packing machines, ice crushers and coolers. Filleting of flounder and large haddock is best done by hand, but filleting machines are sometimes used for scrod. The end products - fillets and steaks - are packed and trucked daily to dealers, wholesalers, supermarkets and restaurants.

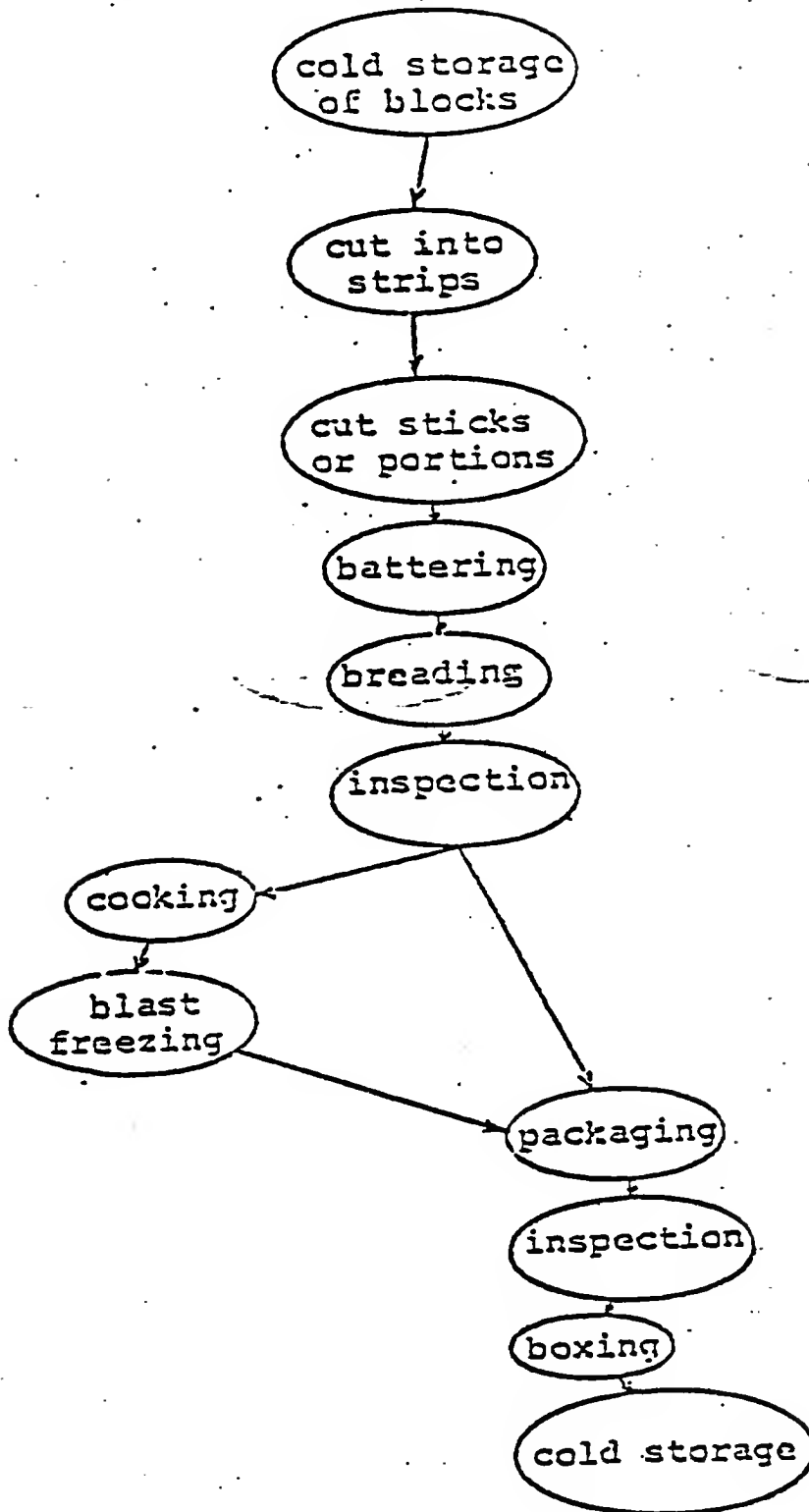
Alternatively, the fresh fillets may be packaged and quick frozen. With declining local catches and economic incentives for local fishermen to sell their product fresh, (at a higher price), most fresh fish which is packaged and frozen has been imported from Canada by truck.

Fish cutters belong to a seafood workers union. They make \$8.00 an hour and are guaranteed forty hours of work a week.²⁵ Fish can be filleted at a rate of about 200 fish per hour per cutter and the skinning machine can skin about 2000 fillets per hour. These figures would suggest about ten cutters per skinning machine for efficiency. Three trimmers/packers are needed per skinning machine. An efficient operation usually requires a total of 15-20 people per line, including machine operators and floormen.

The small fish processors that deal with fresh fish have been content to continue to supply traditional markets - "gourmet and white-napkin" restaurants and fish retail stores - with high quality fresh fish. Since this demand remains high, existing processors feel little pressure to develop new markets. Given the narrow preference of American consumers for a few species, the processors' goal is to supply these species even when domestic fishermen cannot land a sufficient supply. At these times processors import fish, particularly cod and haddock, over the road

FIGURE 6

FROZEN FISH PROCESSING



from Canada. The processing companies depend on Canadian fish to guarantee the constant supply of fish they require to maintain smooth production, a steady labor force, and dependably available product.²⁶

(2) Frozen Block Processing: Processing of frozen blocks of fish is the growing sector of the fishing industry in New England. This growth has resulted from the increasing popularity of processed fish (e.g. fish sticks) as well as the demand for fish products in inland areas where fresh fish prices are prohibitively high.

Blocks of frozen fillets provide the raw material for a convenience-type frozen fish sticks, portions, and dinners. A block is a huge mass of fish meat that has been frozen under pressure into a consistent block and can be neatly sawed into uniform portions. The dimensions of a block vary with manufacturer, but they normally weigh about 15 pounds.

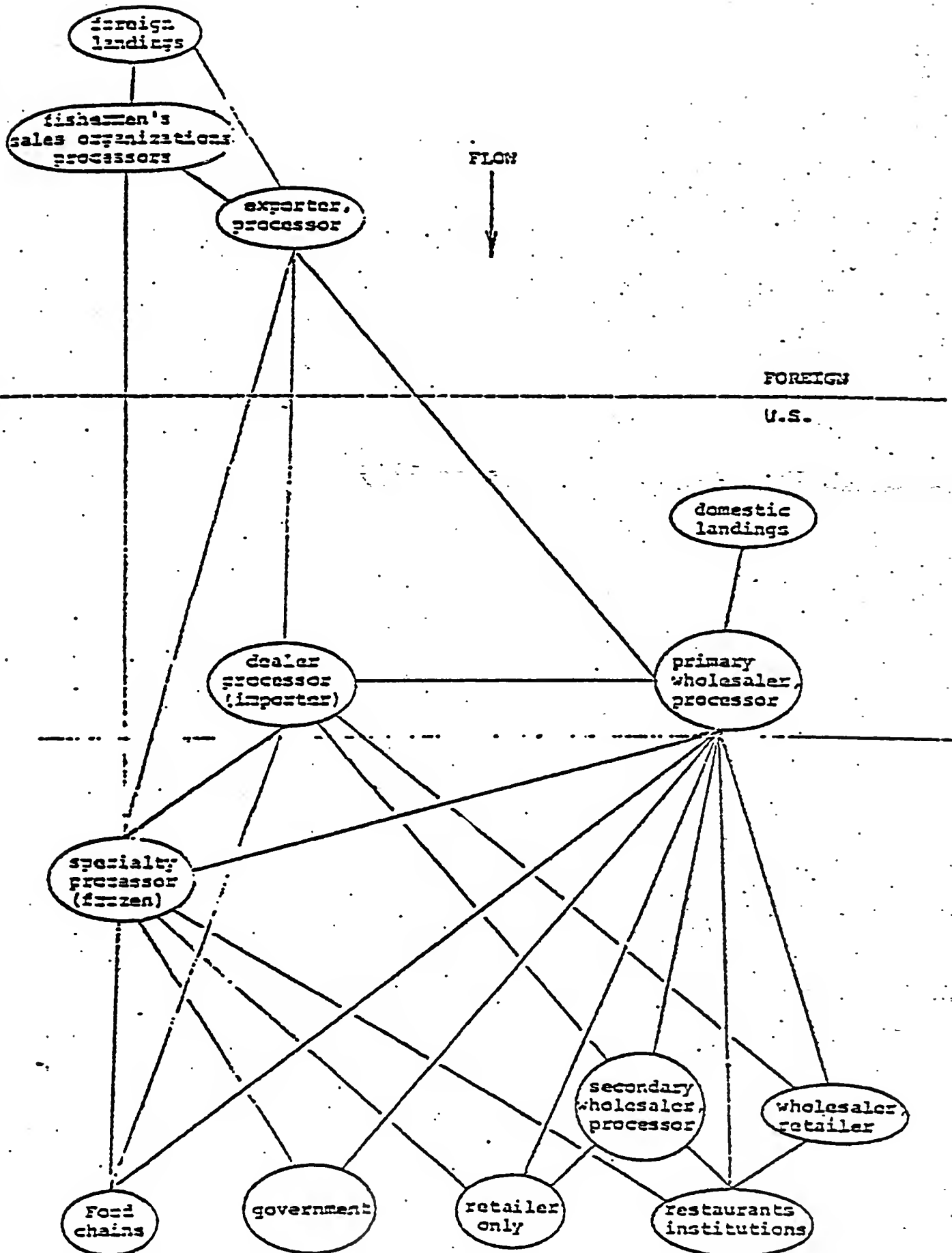
These blocks of frozen fish are almost totally imported on large, refrigerated cargo ships. New Bedford, Boston and Gloucester all have some capability for accommodating these ships. However, Gloucester receives by far the highest proportion of the shipments. Boston receives most of its frozen fish supplies from Gloucester and elsewhere by truck. One observer attributed this to more active solicitation on the part of Gloucester and calmer labor relations (Gloucester has Amalgamated Meat Cutters (AFL-CIO) labor rather than ILA as in Boston and New Bedford).²⁷

The frozen processors have been aided by revised tariff policies in recent years which have generally lowered import tariffs and removed tariffs on fish products which still need processing, e.g., whole fish and frozen blocks. Tariffs are being reviewed at the present round of GATT hearings. The policy of encouraging whole fish entry works to the benefit of the processors, but not of the domestic fisherman whose product must compete with the subsidized and more efficiently fished imports. Despite these tariff incentives, the processing industry has in recent years experienced some instability and shortages of available imports, due to depleted stocks, decreased foreign catches and increasing global demand.

Figure 6 illustrates the procedures in a typical frozen processing plant.²⁸ Machinery used consists of forklift trucks, band saws, portion and stick cutters, batter and breading equipment, in-line cookers, in-line freezer tunnels and packing machines. Each production line requires approximately thirty employees with production output for an eight hour shift varying from 10,000 pounds to 25,000 pounds depending on the product. A plant might have up to eight production lines. Average employment for a frozen fish processing plant is around 150.

MAJOR FLOWS OF FRESH AND FROZEN FISH

IN U.S. MARKETS



The block of frozen fish is cut into sticks while it is still frozen. Cutting is done in two stages. Band saws are used in the first stage to produce thin slabs of frozen fillets. In the second stage these slabs are cut into sticks by automatically fed guillotine-type cutting machines. From here the sticks or portions proceed to the battering and breading machines. Portions and sticks can be cooked in either continuous or batch cookers. Before packaging the cooked product, it must be refrozen. This is done in freezers where blasts of cold air are blown through the trays of the sticks and portions. If the product is sold uncooked it does not have sufficient time to thaw and passes directly from breading to packaging. The frozen products are next machine-packed into cartons, and sent to cold storage. This process produces high quality frozen foods which are sold to various types of wholesaling and retail establishments.

D. Marketing and Distribution

There are effectively two networks for the marketing and distribution of New England fish: one for frozen fish (fish sticks and the like) and the other for fresh and frozen fillets.

The frozen fish market is dominated by a number of large processors (the largest of which is Gorton's of Gloucester) which process frozen fish products for nationwide distribution to supermarket chains and fast food establishments. The organization and operation of this marketing and distribution network is not unlike that of other major corporate food operations - it is modern, large and highly capitalized.

The domestic fisherman and fresh fish processor, on the other hand, depends on a number of small retail outlets for the distribution of their fresh fish product. This market is characterized by its fragmentation (figure 7). Prior to the new trend of shipping fresh fish by air, the prospects for fresh fish market expansion were not favorable.

There is an overwhelming consumer preference for meat. In 1973 for example, Americans ate no more than 2.5 pounds of fish per person while consuming about 250 pounds per person of meat and chicken. When Americans do eat fish they choose from only a few species: traditionally cod, haddock, flounder and redfish. Since there is little demand for other species, processors specialize in these species which they know they can profitably market. As a result fishermen invariably receive lower prices for other species so they too concentrate on species which are commercially profitable. This cycle perpetuates the narrow range of species consumed in this country.

This specialization (which is carried to the point

where each port is noted for a particular species) can cause severe economic dislocation when a particular species (such as haddock or flounder) is overfished, and fishermen are forced to catch other, less-valued species for which a market has not been developed. As fishing by foreign fleets has increased in the past decade and the traditional species have been depleted, New England fishermen have been urged to consider the "underutilized species": squid, mackerel, herring, and hake.²⁹

In a study done in 1964, Dorrel Nash³⁰ found that the demand for fish is relatively inelastic. However, the price elasticity for individual species is very high, indicating that consumers will substitute one species for another in response to relative price changes. Other conclusions of the Nash Study were that a consumer's fish preference declines absolutely as his income increases. In considering consumers' tendency to substitute fish for meat it was observed that while some substitution does exist the percentage increase in fish consumption is less than the percentage rise in meat prices. In other words other forms of substitution, such as eggs, poultry, and vegetarian dishes, are being made. Thus in 1964, the U.S. market for fresh fish, while strong, was limited - both in size and in species.

The same study indicated that approximately half of the fresh fish from Boston is distributed to New England and an additional one third is sent to New York State. A survey is presently being undertaken among Boston fish processors to update this information.

After it is sold, most fish³¹ landed by New England fishermen is distributed by truck. However, due to the rising cost of fresh fish at the retail level it is becoming profitable to ship fresh fish by air. If this trend continues it obviously could result in an enormously expanded market, since it is the perishability of fresh fish that has restricted the market area in the past. Another area of potential growth is the development of a U.S. market for presently underutilized species. For example, the New England Fisheries Program is aimed at developing commercial markets for "underutilized" species. The target species - red and jonah crabs, squid, herring, and ocean quahog - have been identified and a series of publications, which contain recipes incorporating these species, have been circulated.³²

III. History of the Massachusetts Fishing Industry³³

Fishing is one of the oldest Massachusetts industries. The early exploration and development of the region were spurred by the value of this natural resource. However, in a time of rapid social and economic innovation, the fishing industry has maintained many of its old ways. Fishing technology has changed little since the turn of the century when otter trawling replaced line trawling. Processing technology has seen few changes since the development of filleting and fast freezing in the 1920's.

Even as the domestic market for fresh and frozen fish products has grown, the capacity of the New England fishing fleet to fill the needs of the market has decreased. Problems of increased labor and operating costs for the boat owner, the difficulty of obtaining financing, and the 1792 law which requires those landing at U.S. Ports to purchase expensive American built vessels, all were disincentives to investments in the domestic fleet, and to investment in new technology.

While New England fishermen continued to fish in the traditional manner, other countries (principally Japan, East and West German, Russia, and Poland) developed modern fleets. Fish processors, especially those with high volume business, found that domestic fishermen were no longer able to meet their needs and turned to cheaper foreign imports. The large volume of lower priced foreign imports has, in turn, further depressed the domestic groundfish market. This trend towards increased value of imported fish, particularly by the frozen fish processors has gathered speed in the last decade. At the same time, the volume of fish caught by foreign fishing vessels on Georges Bank has increased correspondingly.

This long term decline of the New England fisheries is not due to any one factor but rather to a series of circumstances. The decline is not a recent phenomenon, but is part of a trend which began 100 years ago as described below.

A. Pre-1900

The export of fish from New England to the markets of Europe began to decline about 1830 and by 1880 had ceased altogether. It has been suggested that this was the result of the demands of a rapidly growing American market as well as price competition from European fish.

In the late 1800's the American market for New England's fish (primarily salted) shrank as fisheries on the West Coast and in the Great Lakes region grew and as beef and other meat products became readily available, replacing

fish as a primary protein source. This resulted in a shift from salted to fresh fish and a shift in focus from a national to a regional market.

B. 1900-1945

Major technological changes took place early in the twentieth century which transformed the fishing industry in New England. The introduction of otter trawlers, steam powered vessels which trawl with a net rather than with lines, dramatically increased each vessel's catch of fish. It became economical to make shorter trips, allowing the sale of fresh (rather than salted) fish.

Steam-powered vessels reduced the significance of the sea distance from fishing ground to port and commercial advantage shifted to ports which were also market and transportation centers such as Boston.

In 1922 Clarence Birdseye of Gloucester developed a process for quick freezing fish that immediately replaced salt curing as the means for preservation. Quick freezing used in tandem with the technique of filleting fish developed in 1921 revolutionized the fish business, giving rise to entirely new markets which had been beyond the reach of fresh fish. For example, an extensive market was created in the Midwest for "ocean perch" a marketing term for frozen red-eye fish fillets.

Innovations were also taking place in the processing of fish. In 1921, Dana Ward, a Boston fish dealer, introduced the process of filleting. At the outset, haddock provided nearly all of the industry's fillet output. However, more than a dozen other species have gradually become popular. Filleting had major repercussions on the marketing of fish. It resulted in "branded" packaging of fish - the differentiation of dealers and products and the sale of fish by food stores other than fish retailers.³⁴

The years of World War II were profitable for the New England fishing industry. With the fishing fleets of most other Atlantic fishing nations out of action because of the war, and as a result of war-time food demands, the fish was unlimited. Government contract buying of fish during the war resulted in a price stability never experienced by the industry previously without a guaranteed government market.

C. 1946-1961

In 1943 American production of groundfish fillets exceeded imports by five times. By 1974 the imports from foreign suppliers were 13 times greater than the American catch. This dramatic shift can be explained by the events of the 1940's and 1950's.

Government contract buying of fish ended with the war and wild price fluctuations resumed with the disappearance the guaranteed government market. Fishermen were once again dependent on highly elastic consumer demand. Prices dropped 20% as operating costs soared as a result of post war inflation. In an effort to stabilize prices in the late 1940's the Atlantic Fishermen's Union used a variety of approaches directed at constraining the supply and forcing dealers to raise fish prices. Responding to dealer protest, the Commonwealth of Massachusetts determined that the fishermen were in violation of the state's anti-monopoly act. Fishermen were told that they must bargain with the boat owners instead of the dealers. The dealers were thus insulated from price confrontations with the fishermen's union.

(1) Growth of Imports

During the late 1940's a growing volume of fish began to enter the New England market from Canada and Iceland. The pre-war market dominance by the domestic fishing fleet vanished. Pre-war domestic fishermen had supplied 95% of the domestic market. By 1948 their market share had slipped to 71%. During this period the market itself had doubled as a result of population growth, improved transportation, and expansion of the sale of fish by supermarkets.

U.S. consumption again doubled from 1950 to the early 1970's. As fishermen attempted to limit the supply in order to get better prices, processors were trying to increase their output to meet the growing demand. During that period the catch of the domestic fleet remained relatively constant (2 to 2.5 million metric tons). The response of many processors was to turn to imported fish - either by buying into the Canadian processing industry with its lower wage non-unionized labor, or by buying imported fish to process at domestic plants. Imports have risen from 25% to 60% of U.S. consumption. As a result a huge trade deficit of over \$1.5 billion annually has developed.³⁵ As domestic firms turned to foreign sources of supply, they isolated the domestic fleet from the volume fish market and further narrowed the market for the domestic catch.

(2) Subsidization of Foreign Fishing Fleets

During the post-war period Canada, Japan and the nations of Europe were placing a high priority on the regeneration and modernization of their fishing fleets. Enormous government subsidies were invested in both fishing and processing equipment. Ironically, while the American fleet remained unsubsidized, much of the foreign investment was supplied by Marshall Plan funds from the U.S. Treasury. Subsidy of foreign fleets by their home governments has continued.

This subsidization resulted in rapid development of modern fishing fleets. The fleet subsidies and lower wage rates of foreign fishermen produced fish at prices considerably below those of the domestic fleet. A 1972 U.S. government study estimated that New England fishermen would have had to receive annual subsidies of the following dollars to equal the subsidies received by the foreign fleets:

Norway	\$99.0 million	
Canada	\$22.8 million	
Denmark	\$11.8 million	
Japan	\$2.1 million	36
Iceland	\$1.0 million	

The impact of these subsidies on New England fish prices is severe. A 1977 study estimated that subsidies on fresh fish fillets imported to the United States from Canada range from 22.9 to 32.8 Canadian cents per pound.³⁷

(3) Decline in Tariff on Imported Fish

Tariffs (customs duties levied by government on some items imported into this country) have historically been used as a tool to protect domestic industries against low priced foreign competition. Until 1939 the tariff on imported groundfish served as this type of barrier to foreign countries. The duty (\$.025 per pound) effectively added 40% to the cost of foreign fish. In 1939 the rate was reduced to the level of \$.018 per pound for the first 15 million pounds or 15% of U.S. consumption for fish from Canada. This agreement was extended to other nations in 1948 and the rate of \$.025 was "bound against increase". However, by this time the price of fish had increased substantially and the \$.025 tariff added only 12% to cost, while the \$.018 tariff added only 9%.

Whole fish and frozen blocks of fish may be imported duty free. Processed fish, fresh or frozen, is subject to the tariff. These tariffs are presently being reviewed.

(4) "Fish Stick Revolution"

The other major development during the 1950's was the introduction on the domestic market of frozen fish sticks and other convenience frozen portions of fish, both for home consumption and for fast food chains such as McDonalds. This market was even less profitable for the domestic fleet than the frozen fillets already being processed. However, the demand was readily met by foreign fleets which supplied the frozen blocks of fish needed for the new products. These blocks were first imported in 1953. By the end of 1954 blocks represented 40% of the total groundfish imports.

The importation of frozen blocks has continued to grow, increasing ten times by the mid-sixties while frozen fillet imports only doubled. Combined, these imports left groundfish caught by the domestic fleet supplying only 10% of the domestic market.

D. 1961-1977

The trend of the 1950's accelerated during the 1960's as foreign fleets began to fish Georges Bank. From 1962 to 1972 total catch in the Northwest Atlantic doubled. Domestic fishermen, however, saw their catch decline by over 50%. Haddock, the specialization of the Boston fleet, was particularly affected. Domestic catch fell from an average annual catch of 138 million pounds from 1951-1962 to 16 million pounds in 1975.

The Massachusetts commercial fleet declined from 408 trawlers in 1962 to 343 in 1970 while the number of wholesalers and fish processors fell from 236 in 1960 to 201 in 1973. This trend was somewhat offset by growth in the frozen fish processing industry.

(1) Growth of Foreign Fleets on Georges Bank

Prior to 1961 most foreign fishermen had fished on the Grand Banks. Georges Bank, a smaller fishing ground 50 to 200 miles due east of Cape Cod, had been primarily the domain of American fishermen. Scarce resources on the Grand Banks led to exploratory voyages by foreigners to Georges Bank in the late 1950's. At this time Georges Bank offered underfished stocks of herring, mackerel, silver hake, and cod ideal for the intensive fishing of the high technology foreign fleets with their modern fishing trawlers and efficient factory ships. These fleets targeted on specific species and the entire fleet fished for one species until the catch rate became unacceptable, then the fleet would be redeployed to search for another concentrated stock of fish. This method of fishing by large fleets is known as "pulse fishing."

Soviet fishing trawlers were sighted off Cape Cod for the first time in 1961. They were followed by Polish, East German, West German, French, Italian, Norwegian, Greek, Spanish, Japanese, Romanian, Bulgarian, Cuban, Mexican, Venezuelan, and Argentinian fishing vessels. These vessels were more modern and efficient than their American counterparts. With lower operating costs, they fished in direct competition with the domestic fleet. As a result, the catch of the U.S. fleet dropped precipitously.

The American fish processors, no longer dependent on the domestic fleet, were able to expand and profit from cooperation with foreign fishermen. For example, Gorton's

of Gloucester contracted for Polish caught fish (even conducting an on-vessel training program for Polish fishermen). These fish were transhipped through the French held islands of St. Pierre and Miquelon to be processed in Gloucester. In 1974 Gorton's purchased a total of six million dollars of Polish fish. 5.75 million dollars worth of fish was landed at the Boston Fish Pier during the same period.

Another example of this domestic/foreign cooperation was the 1970 contract between W.R. Grace Company and the Romanian fishing fleet under which Grace agreed to purchase the entire catch of Romania's new fleet of factory ships. The contract provided for delivery of two million dollars of frozen cod in 1972 and up to ten million dollars of fish by 1975. The cod was to be delivered to St. Pierre and Miquelon for transshipment to Gloucester.

Financed by this contract, the Romanians purchased a fleet of ten new stern trawlers from East Germany and Poland to operate in direct competition with the under-financed American fleet.³⁸

It is instructive to compare these European fishing vessels with the typical trawler fishing from Boston which is 65 to 110 feet long and weighs an average of 150 tons. The fishing motor vessel Westermunde of the West German fleet (described in detail in a recent Atlantic article) is a combined stern trawler and processing ship, 311 feet long and 3556 tons. She is capable of catching and processing 250 tons of fish a day and has a crew of 60-70, half of whom are workers in the processing factory. The ship's highly automated processing operation includes cutting tables with continuously adjusting fillet knives which turn out 50-80 fillets a minute. The ship makes four voyages of 2-3 months each year.³⁹

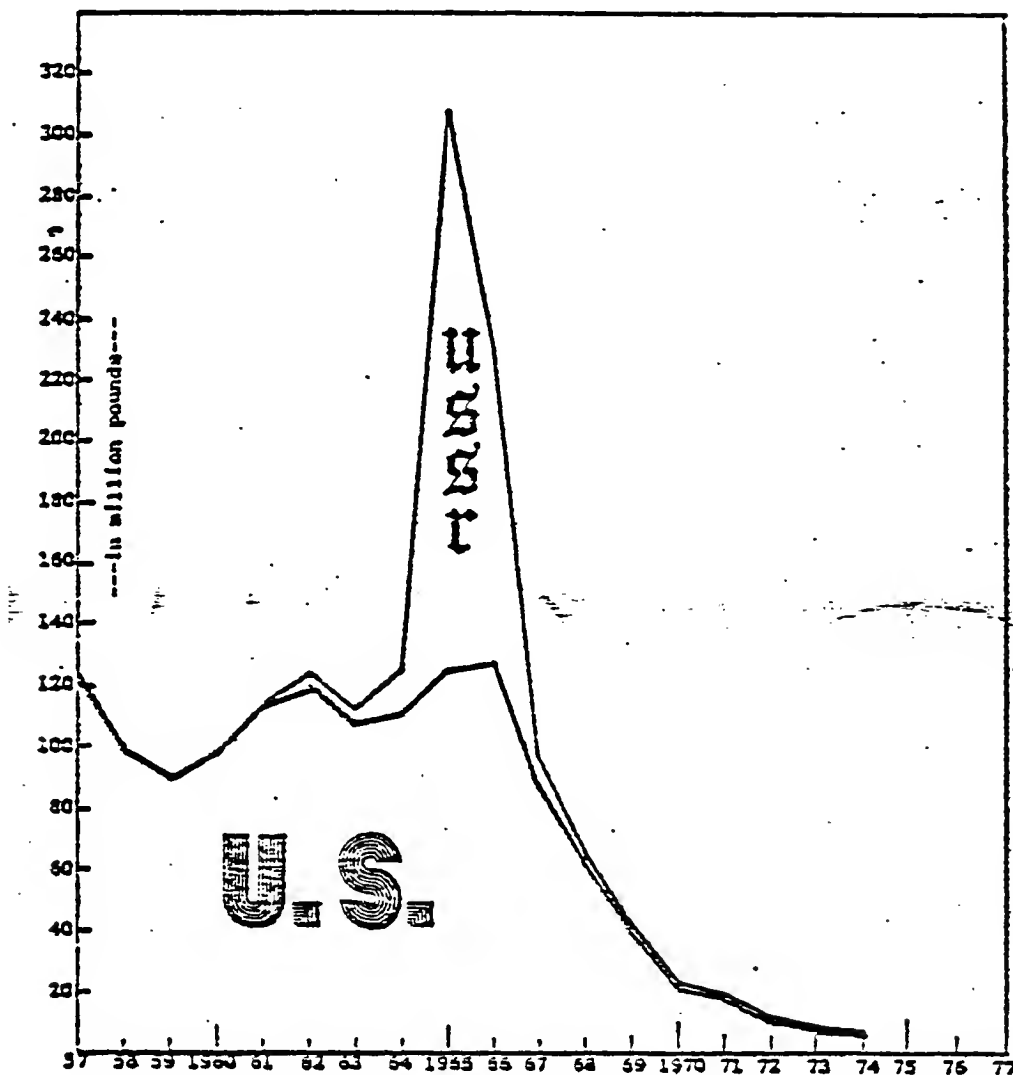
(2) Decline of the Fishing Stocks

The most significant problem faced by New England fishermen today is the decline of fish stocks. Landings of fish and shellfish in New England have declined by more than one-half over the past fifteen years from 473 million pounds in 1960 to 150 million pounds in 1975. This decline, which began in the 1930's, accelerated rapidly during the last decade with the arrival of the foreign fishing fleets on Georges Bank.⁴⁰

Initially the foreign countries fished only for herring and other species New England fishermen did not harvest. With continued expansion of the foreign fleets and construction of larger and more efficient vessels, few stocks of fish remained unexploited. By the mid-1960's, in order to harvest enough fish to maintain efficient

FIGURE 8

HADDOCK CAUGHT BY U.S. AND SOVIET FISHING FLEETS



Source: David Boeri and James Gibson, Tell It Good Bye Kiddo

operations, the foreign fleets began to compete directly with New England's offshore fishing vessels. (Fig. 8)

The most dramatic example of this is haddock. In 1965 the Soviet fleet began fishing the already heavily fished stocks of haddock, traditional specialization of the Boston vessels. For many years prior to 1965 New England fishermen had harvested an average of 120 million pounds of haddock annually. This is considered to approximate the maximum sustainable yield (the amount which may be caught without exceeding the nature reproduction rate of the fish). In 1965 the Soviet began to pulse fish the haddock. Nine years later the haddock stock had declined to such a critically low level that a zero quota was established to protect the stock from extinction. ⁴¹This progression is graphically illustrated in figure 8. Today scientists estimate the total ⁴²haddock stock left on Georges Bank is only 7,000 tons.

Although the catch of the domestic fleet has been declining over a period of forty years, its negative impact on profits occurred much more recently. This is because with technology improving, demand growing, and prices rising, each trip brought higher profits. Although their total annual catch was less, it came at lower costs and with higher absolute profits. Thus, the industry had no pressing economic reason to be concerned until landings by effort began to show diminishing returns.

Dependent on a resource not only limited in supply but subject to sudden, unpredictable fluctuations, fishermen traditionally have seen little need for stock regulation and management. As they perceived the situation, fish abundance or scarcity was due to the vagaries of nature rather than to man's abusive actions. Although the possibility of overfishing had been noted as early as 1918 by the U.S. Commissioner of Fisheries, and the actual effects of overfishing were becoming apparent by mid-century as productivity declined, the warnings went unheeded until the late 1960's. By then, many of the most valuable stocks, especially haddock ⁴³and yellowtail flounder, were significantly depleted.

(3) Impact on the Domestic Fleet

As the fishing industry has declined, banks and corporations have been less willing to finance new fishing vessels. The average vessel in the domestic fleet is 28 years old, underpowered, undersized and ill-equipped to compete with the foreign fleet. The prohibitively high insurance rates results in most vessels presently being uninsured.

A 1792 law (46 U.S. Code 25) protects the U.S.

fishermen by requiring any vessel landing fresh fish in the United States to be domestically built. This law causes foreign fleets to tranship their catch via Canada.

(4) Government Efforts to Aid the Domestic Fleet

A number of government efforts designed to aid the domestic fishing industry have been enacted in the last 20 years. These have included providing loans for fishing vessels (1960's Fleet Improvement Act), establishing regulations on haul and gear of foreign vessels (ICNAF regulations), and funding pier and harbor facilities.

IV Fishing Ports in Massachusetts

The fishing industry (including harvesting, wholesaling and processing) is a major economic force in New England's coastal communities. Such concentration makes these communities especially vulnerable to changes in the industry. The overall decline in groundfishing has exacerbated unemployment in coastal Massachusetts. The major fishing ports in Massachusetts are Boston, Gloucester, New Bedford, and Provincetown.

A. The Boston Fishing Industry

The Boston Fish Pier is the center of fish unloading, processing and distribution activities in the Boston metropolitan area. The pier itself deals almost exclusively in fresh fish: of the fifteen finfish dealers on the pier, ten deal in fresh fish only; of the five dealers that handle frozen fish only, two attribute over one-third of the output to frozen fish. Frozen fish processors are located nearby along Northern Avenue. A survey undertaken in March 1977 indicated employment in processing firms of over 1000 people.

Boston historically has specialized in haddock, cod and flounder. While these remain the primary species, Boston fishermen and processors have expanded their scope in recent years, taking in other species such as pollock and hake.

(1) Trends

The landings at the Boston Fish Pier have steadily declined since its peak years in the late 30's when annual landings were over 300 million pounds. By 1961, according to the National Marine Fisheries Service of the United States Department of Commerce, landings at the Port of Boston had fallen to 117 million pounds and ranked tenth in the list of "Landings at Certain U.S. Ports." By 1965, Boston ranked eleventh with 104 million pounds landed and by 1970, Boston was in sixteenth place with only 32 million pounds landed. By 1976 landings had fallen off to 23 million pounds.

Boston's fishermen feel that this decline is primarily attributable to:

- 1) The lack of modern trawlers and equipment
- 2) The depletion of Georges Bank fish population by foreign vessels.

Figure 9

FISH LANDINGS

(In Thousands of Pounds)

<u>Year</u>	<u>Boston Fish Pier</u>	<u>New England</u>
1950	170,000 lbs.	1,007,000
1960	108,000	852,000
1961	115,000	
1962	116,000	
1963	105,000	
1964	106,000	
1965	101,000	702,000
1966	88,560	
1967	77,016	
1968	59,563	
1969	45,708	
1970	32,157	451,000
1971	32,048	
1972	21,772	489,000
1973	23,685	
1974	25,165	452,000
1975	21,994	497,483
1976	23,316	544,119

Source: National Oceanic & Atmospheric Administration
Fishery Statistics of the United States, Annual

Recently, significant fleet expansion has been planned for the U.S. Forbes magazine reported that thirty-five boats are under construction for the New England fleet, and even more vessels are being refitted for use. Therefore, the problem of vessel shortage may well be alleviated in the near future. Processors have expressed interest in investing at the Boston Fish Pier if some government funds can be secured for rehabilitation, which would add modern processing facilities.

On the fish supply side, the title of "declining industry" is slightly misleading in the case of Boston fish activity. In Boston during 1970, 32.2 million pounds of fish were landed by fishing vessels while 49.9 million pounds of fish were trucked into the city, resulting in area Fish Pier processors handling over 80 million pounds of fish. The 200-mile limit has increased landings in recent months.

(2) History and Development

Twentieth century expansion of Boston's fish business began in 1914 when the Boston Fish Pier, then the world's most modern, was opened. The Commonwealth of Massachusetts built the pier at a cost of 3.5 million dollars under terms of a 1910 agreement with the Boston Fish Market Corporation, a company which the Boston fish dealers formed to acquire a new location for the industry. Their old facilities on "T" Wharf, which they had occupied since 1884, had become unsanitary and inadequate.

The corporation spent a million dollars to construct buildings on the Fish Pier and rented space to its dealers. In 1913 the nation's largest icing and cold storage plant was erected on the pier with the Boston Fish Market Corporation holding controlling interest.

The improved facilities, combined with technological advances, enabled landings to rise from less than 100 million pounds in 1914 to a peak of nearly 340 million pounds in 1936.

In 1916 fish dealers on the pier combined into two competing holding companies, the Bay State Fishing Company and the Boston Fish Pier Company. Both holding companies made enormous profits during the First World War. In 1918 the Commonwealth of Massachusetts and the United States Government prosecuted this duopoly for promoting monopolistic practices and restraining trade. Seventeen prominent fish merchants were found guilty and received fines and prison sentences. The

legacy of this court decision is the highly fragmented industry of today.

Prior to World War II, the Port of Boston clearly dominated the New England fishing industry. Development of the ocean perch market brought Gloucester to the fore in 1944, but by 1964 long-term growth in New Bedford coupled with a decline in the other two ports had given New Bedford a slight edge in terms of total fresh fish landings. During 1964, landings of fish and shellfish in Massachusetts ports amounted to 410 million pounds, with 33 percent landed in New Bedford, 31 percent in Gloucester, 26 percent in Boston, and the remaining 10 percent at all other Massachusetts ports. Principal species landed were flounder in New Bedford, ocean perch in Gloucester, and haddock in Boston.⁴⁹ In the 1970's Gloucester has taken the lead and has become a major center for frozen processors.

The Pier was operated privately until 1972. In that year the operators of the Pier, the Boston Fish Market Corporation sold the lease to the Massachusetts Port Authority.

The Pier is 1200 feet long and 310 feet wide and holds four buildings: Buildings 1 and 2 house the majority of the fish processors in the area. The New England Fish Exchange is located in Building 3 at the end of the pier. Building 6, at the Northern Avenue end of the pier, is unused except for the boilers which provide steam for heating⁵⁰ and hot water to all five buildings of the facility.

Boston is the hub of the regional transportation network and has deep water and pier facilities able to handle any refrigerated cargo ship or fishing vessel. Its location is ideal for receipt of imports from Canada, Iceland and Northern Europe.

(3) Fish Pier Operations and Economic Impact

The overall decline in the industry has been reflected in a decline in the size of the Boston fishing fleet. In 1965 there were 59 fishing vessels operating at the Fish Pier. In 1976 there were fifteen. The two newest boats were built in 1968 at a cost of 1.8 million dollars each.⁵¹

Fishing boats are generally berthed at the northern end of the pier when unloading. Lumpers (longshoremen) and fishermen unload the boats. An auction is held every week day morning at 7:15 in the New England Fish Exchange. All fish landed at the pier

are sold at the auction, at prices set by the New England Fish Exchange. Price bidding appears to be competitive, although the distribution of each day's catch appears to be subject to some preagreement. Processors on or near the pier, along with other buyers who own a seat bid for the fish. Boston buyers do not bid for entire boatloads, as in New Bedford, but for smaller quantities of specific species. Fish are sold in units called scales (1,000 pounds). The processors on the pier buy a large portion of the daily landings, some fish is trucked to processors on nearby Northern Avenue; and the remainder goes to large retail establishments.

After the fish is sold at the auction it is packed into carts at dockside and the carts are weighed and towed by small tractors to the processors.

Fish processors on the pier and on Northern Avenue have filleting operations that produce fresh and frozen fillets. Fish landed at the Fish Pier was once the primary supply for these processors. Landings at the pier are no longer sufficient to meet the needs of the domestic market and thus the processors. Less than half of all fish processed at the Fish Pier is landed by boat. The rest is imported fish brought in "over the road" from Gloucester and Canada.

Frozen fish processors on Northern Avenue receive an even greater part of their supply as imports than do processors of fresh fish. This fish is imported in frozen blocks, either through the ports of Boston and Gloucester, or by truck from Canada.

B. Other Massachusetts Fish Ports

The other three major fishing ports in the Commonwealth are Gloucester, specializing in ocean perch, silver hake and sea herring, New Bedford, specializing in yellow flounder and scallops, and Provincetown which brings in flounder, cod, and scallops. Descriptions of these ports and others in Massachusetts are excerpted from the 200-Mile Work Group's Fish Report:⁵²

(1) Gloucester whose fleet has traditionally concentrated on fishing of ocean perch, silver hake and sea herring, harbors a fleet of 10-20 off-shore trawlers plus 60-65 small trawlers, draggers, gillnetters and line trawlers. Gloucester is a major port of entry for imports of frozen fish blocks and has become a very large frozen fish processing center. With increased catch under the 200-mile jurisdiction, the frozen fish processing industry could be expected

to rely more heavily on domestic landings for supply. The refrigerated warehouses on the Inner Harbor have a combined capacity for storing 100 million pounds of fish. This should adequately serve the possible growth in Massachusetts landings. Gloucester's second waterfront urban renewal project, covering 43 acres at the head of the North Channel, envisions new wharves and piers for the fishing fleet and a new fish processing and cold storage plant. Further redevelopment along the harbor could provide additional docking space for the fishing fleet and space for expanded processing operations.

(2) New Bedford-Fairhaven has a fishing fleet composed of approximately 155 otter trawlers and 16 scallopers. The fleet has traditionally concentrated on flounder and sea scallops. Frionor Kitchens is the only large frozen fish processing plant in New Bedford. The processing of fresh fish is the mainstay of the New Bedford fishing industry. Over the past several years substantial improvements to the harbor facilities for the New Bedford fishing industry have been undertaken and are nearing completion.

The fresh fish processing industry has been relocated in the new South Terminal with its 1600 foot marginal pier, two thirds of which faces a 30-foot deep channel and one-third faces a 20-foot deep channel. The South Terminal presently includes facilities for garaging trucks used to transport fish products. Some 24 acres are still unoccupied and could provide space for expansion of the fish processing industry. In addition, the New Bedford Redevelopment Authority is rehabilitating four piers (Leonards Wharf, Homers Wharf, and Piers No. 3 and 4) for use by the fishing fleet. These improvements ensure that New Bedford will be in a position to take advantage of opportunities open to the fishing industry under extended U.S. jurisdiction.

(3) Provincetown's fleet is composed of 2 scallopers, 5 line trawlers, 3 gill netters, and 20 otter trawlers and fishes primarily for flounder, cod and scallops. The Provincetown Cooperative Fishing Industries handles most of the catch in processing facilities concentrated on MacMillan Wharf. Provincetown has no capacity to repair or over-haul vessels. Any increase in commercial fishing vessels using the harbor as a home port or landing area would result in competition with recreational craft for mooring and berthing space.

(4) Chatham has a fleet of some 40 line trawlers. Most of the catch is handled through the Chatham

Seafood Cooperative. Any increase in the fleet in Chatham would aggravate competition with recreational craft for mooring and dock space.

(5) Other Ports serve as harbors for smaller fishing craft, as well as single, larger fishing vessels. These ports include Beverly, Ipswich, Manchester, Marblehead, Rockport, Saugus, Cohasset, Scituate, Marshfield, Duxbury, Plymouth, Wellfleet, Hyannis, Menemsha, Vineyard Haven and Nantucket. Fishing vessels in these ports must compete with recreational boats for mooring and berthing space, especially during the busy summer boating season. New mooring facilities for the fishing fleet must be built or a mooring allocation system giving preferential treatment to fishermen be instituted if these harbors are to accommodate any substantial increase in the size of the fishing fleet.

V THE 200 MILE LIMIT

A. Background⁵³

Fish resources of the sea until recently were considered inexhaustible. During the 1950's many marine biologists suggested that fish protein was the answer to the world's food problems. As late as 1960 this seemed to be true. Until then the United States and Canada had shared Georges Bank with relatively little competition. But as the foreign fleets in these fishing grounds increased, American fishermen began to be crowded out of their traditional fishing grounds by high technology fishing vessels. In 1972 foreign vessels from sixteen nations accounted for more than 80% of the catch on Georges Bank.

During this period, foreign catch quotas (outside the U.S. 12-mile territorial zone) were set and monitored by the International Commission for Northwest Atlantic Fisheries (ICNAF). Criticized for weak enforcement, ICNAF began to provide some controls in the last three or four years of its existence. By 1974 all ICNAF signatory nations (the Communist block included) allowed boarding and complete inspection⁵⁴ and thereafter began to adhere to annual catch quotas.

In the late 1960's and early 1970's U.S. fishermen appealed to Congress for legislation to help them compete with the highly subsidized fleets of other nations. The "200-Mile Limit Bill" was introduced in Congress in 1973 by Congressman Gerry Studds of Massachusetts and Senator Warren Magnuson of Washington. Three years later the Fishery Conservation and Management Act of 1976 was passed. On March 1, 1977 the 200-Mile Limit, established by this act, gave the United States control of ten percent of the world's fisheries by authorizing a 200-mile "fisheries economic zone" around the U.S. and its territories.

B. Description

The law authorizes U.S. fishermen to harvest all the fish they need up to an "optimum yield". If there is a portion of the optimum yield which cannot be taken by American fishermen (based on historic catch levels) it will be allocated to foreign nations with whom we have treaties governing fishing. Permits are granted to countries that have traditionally fished in the area, have shown cooperation with the United States, and have contributed to fisheries research.

Overfished stocks such as haddock, cod, and yellow tail flounder are now virtually closed to foreign fleets, but foreign fishermen may continue to catch fish such as dogfish, hake, and squid (which find a market in foreign

countries but are considered less desirable by American consumers).

Decisions on the size of the annual quotas and what portion of a fishery, if any, will be open to foreign fishermen, are made by the eight Regional Fishery Management Councils. The New England Fishery Management Council has twenty-one members. Seventeen are voting members. Of these, eleven are appointed by the Secretary of Commerce from lists submitted from the five New England coastal states, five are the directors for fisheries of each of the coastal states (or their designees) and one is the Regional Director. In addition there are four non-voting members. They include representatives of the Department of State, the U.S. Coast Guard and the National Marine Fisheries Service. At present there is one vacancy on the council.

Implementation of the plans developed by the New England Regional Fishery Management Council is carried out by the U.S. Secretary of Commerce in cooperation with other federal agencies. She may call upon the Secretary of State for assistance in international negotiations, the National Marine Fisheries Service (NMFS) for scientific and economic information and the Coast Guard to enforce fisheries regulations at sea. The costs of administration are to be offset by fees for the permits issued to foreign nations.

C. Impact of the 200-Mile Limit

(1) Immediate impact: Although fishermen and other experts anticipated that the full impact of the 200-mile limit would not be felt for three to five years, there appears to be surprising immediate impact on the domestic fishing industry.

For example, after years of decline the New England fleet's catch for the first part of 1977 was 25% above last year's levels, according to a Wall Street Journal article of July 1977. Landings in Boston were high in July, dropping back when the cod fishery was closed in August. Foreigners are pressing domestic fishermen to contract for supplies of American caught fish or to contract to catch portions of the stock allocated for the domestic fleet.

Besides attracting foreign processors, the 200-mile limit is also stimulating investment within the U.S. fishing industry itself. The National Marine Fisheries Service reported that its guaranteed loans for fishing vessels in Massachusetts totaled \$21 million in the just ended fiscal year compared with \$8 million in fiscal 1976 and \$5 million in fiscal 1975.

The Newport Shipyard of Newport, Rhode Island is completing its first fishing vessel since the 1940's for

delivery⁵⁵ to Gloucester and beginning work on additional vessels.

The increase in catch by the domestic fleet and limited foreign catch under the 200-mile limit has caused some problems for processors of fresh and frozen fish. The frozen fish processors have experienced some dislocation of their operations as a result of catch limits placed on the foreign fleets. On the other hand, U.S. fresh fish processors lack the capacity to turn out frozen fish in the volume that the large food product companies require and thus are unable at present to fill the gap left by the foreign fleets. The inability of the processors to absorb today's rising catch for processing, either as fresh or frozen products, has forced fish prices down. (It should be noted, however, that lower seasonal prices are also common in the summer).

While there was immediate enthusiasm among fishermen about the positive impact of the 200-mile limit, by early summer the Fisheries Management Council cautioned that New England fishing vessels were landing substantially over the projected catch for species such as haddock and cod and that it might be necessary to cut off fishing in these species before the end⁵⁶ of the year to conform with the Management Plans' quotas. By September these predictions were proved accurate; the cod fisheries were closed because quotas had been reached. This has caused considerable hardship for fishermen. Compromise regulations have been proposed and are being considered by the U.S. Secretary of Commerce.

(2) Long Range Impact

While there is general agreement that it will be three to five years before the full impact of the 200-mile limit is felt, no one in the fishing industry or the government and research groups considering the issues knows quite what will happen in the long run.

The most comprehensive assessment of the impact of the 200-mile limit on the New England groundfish industry is a study done for the New England Regional Commission by the Coastal Resources Center of the University of Rhode Island. The study projects a 40% increase in employment for the fishing industry for New England and a 30% increase in employment for the Boston fishing industry. It is assumed that the federal government will provide some financial assistance to the fishing industry and that domestic fishing will take over part of the catch going to foreign vessels.

In addition the Massachusetts Coastal Zone Management staff predicts that New England landings will double over the next five years. This assumes a 25% reduction of foreign fishing. The doubling will result in a catch of 925

million pounds. MCZM states that the 200-mile limit could lead to the creation of 5,000 to 10,000 jobs in Massachusetts alone in the next decade, in marketing, processing and boat construction.⁵⁷

These CZM projections are based in part on a survey of New England fishermen undertaken in 1976 by CZM staff. Fishermen were asked their opinion on the impact of the 200-mile limit and marketing development efforts for underutilized species on the fishing industry. Generally the responses indicated that fishermen were optimistic about the future of the industry. It was agreed that there would be an increase in domestic fish landings. However, it was not agreed by how much these landings would increase. 28% replied that landings would increase by between 50% and 100% and 26% expected an increase over 100%. A small group (12%) felt landings would not increase. 34% believed landings would only increase by 50% or less (i.e. to the levels experienced in the early 1960's). The fishermen did agree that the 200-mile limit would not bring immediate results. 47% said landings would increase over a four to five year period while 33% believed results would not show for six years or more.

When asked if fishing boats would be replaced by new ones 53% replied yes, 47% replied no. 62% felt replacement vessels would not be larger than those in the current fleet.

61% of those questioned indicated that markets for underutilized species will be "sizeable but not as important as traditional species." 19% felt that underutilized species will be as important as traditionally harvested species. 20% replied that underutilized species will not be significant at all.

The fishermen also saw improvements in harbor facilities as being crucial to increases in the fleet and future landings. Boston fishermen cited the main barriers to establishing marketing and processing development as 1) the need for pier or dock improvements 2) the need for sufficient landings to justify construction of processing plants, and 3) the need for demand to justify construction of ice plants. One individual commented that "Local processors cannot afford to build adequate processing factories because of Boston's high taxes. State, federal (or city) aid must be provided".⁵⁸

The MCZM study makes several assumptions. First foreign fleets will not be entirely excluded from U.S. fishing grounds under the 200-mile limit. Although they have been excluded from catching most groundfish (the fish harvested by domestic fishermen) they are still permitted to fish in our waters and have been allocated certain tonnages for other species of fish; including mackerel, herring and

squid.

(3) Impact of the 200-Mile Limit on the
Boston Fish Pier

The facilities on the Boston Fish Pier must be rehabilitated if Boston is to take advantage of the opportunities provided by the 200-mile limit. Massport, as the present owner of the property, plans to undertake this project with the support of the City of Boston using federal funds. The renovation of the Fish Pier will provide modernized facilities for the fish processors presently located there and will encourage the growth of the fresh and frozen fish processing industries in the Boston metropolitan area.

The expansion of the Boston fishing industry is expected to generate many new jobs in fishing, processing and wholesaling. The number of individuals employed as fishermen and crewmen is expected to practically double (from 75 to 138). Employment in fish processing plants and support industries is expected to increase from approximately 1,100 to 1,925. Several frozen fish processors on Northern Avenue are presently developing expansion plans. The continuation of this trend of increased investment can only mean additional jobs⁵⁹ for Boston and renewed prosperity for the fishing industry.

V THE FISHING INDUSTRY: PROGNOSIS FOR THE FUTURE

While the implementation of the 200-mile limit on March 1, 1977 has signalled new potential for the New England fishing industry, particularly for the fishing fleet, many issues remain to be faced. These issues include: the role of foreign fleets and investors, the ability of the government to enforce the 200-mile limit, the ability of the domestic industry to respond to the potential of the 200-mile limit, the need for more active marketing of fresh and frozen fish, the impact of off-shore oil, and the role of the U.S. Government.

A. Role of Foreign Fleets and Investors

In response to the limitations of foreign fleets under the 200-mile limit, foreign factory ships are now eager to contract with domestic fishermen. William Gordon, Director of the National Marine Fisheries Service, Northeast Region, reported that in the first four months after the implementation of the 200-mile limit more than thirty delegations from Japan, Poland, West Germany, and Italy visited New England in search of fish. Other foreign companies have begun to explore investment in processing plants in New England. One such plant has been constructed in Everett by an Icelandic company.

The National Marine Fisheries Service conducted hearings in August 1977 to determine U.S. government policy regarding joint ventures of this type involving foreign investment. There is considerable division among the various factions of the fishing industry on this issue. The domestic processors are concerned that if U.S. vessels off-load their catch at sea to foreign processing ships U.S. processors will lose business and jobs. U.S. fishermen, on the other hand, point out that for years U.S. processors have been buying fish from foreign vessels without regard for the domestic fleet. If foreign processors offer higher prices, some fishermen state it is the right of the U.S. fishermen to sell to the highest bidder. The issue is complicated by the fact that, at least in the short run, U.S. fresh fish processors cannot assure the domestic fleet that they will have the capacity to handle the volume of fish being caught. At least twice in the first four months of the 200-mile limit New England boats have been turned away because of lack of capacity.

An additional factor in this complex situation is that the present quotas were based on estimated capacity of the domestic fleet. If foreign vessels are permitted to catch portions of the domestic quota not being caught by American fishermen it is feared that over-fishing will once more be the result.

National Marine Fisheries has promised a formal policy on joint ventures by the fall of 1977.

Meanwhile, nearly fifty other nations have followed the lead of the United States and Germany and have established 200-mile fishing zones. Japan, West Germany and the Soviet Union countries which have had substantial fleets on Georges Bank in recent years, have suffered substantial dislocation of their fishing industries. Fish prices in Japan have risen sharply in the last six months. Up to 5,000 fish processing workers in Germany may lose their jobs; and the Soviet Union has embarked on major diplomatic efforts to secure access to fishing grounds off the coasts of Africa and Asia.

B. Ability of U.S. Government to Enforce the 200-Mile-Limit

The continued presence of foreign fishermen on Georges Bank will inevitably present problems to the management of our fish stocks. The most unavoidable complication is that of by-catch. Whenever a catch is made, fish are unintentionally captured in the net. Thus, cod, haddock, or pollock may be landed even when a foreign trawler fishes for herring. Another problem involves enforcement. All catch regulations have to be enforced by the U.S. Coast Guard. The area which the Coast Guard must patrol has been enormously expanded, and administrative and funding problems may delay the institution of adequate enforcement procedures.

The effectiveness of the 200-mile limit depends on governmental policy, the stance that the State Department takes toward its enforcement, and the extent to which subsidization is provided to the fishing industry. Both the State and Defense Departments originally opposed the passage of the 200-mile limit law, arguing that exclusion of foreigners from U.S. waters might jeopardize carefully developed international relations. So far, cases involving possible violations of the law have been handled very carefully. Suspect vessels have been allowed to be searched by Coast Guard patrols only with explicit permission from the State Department and if there is concrete proof that the law has been violated. No general policy for enforcement of law has yet been developed.

At present, events in international politics appear to affect decisions on individual cases. For example, the Coast Guard was ordered not to seize the first three Soviet vessels it wanted to detail during March because the delicate SALT talks with the Soviets were just beginning.

It must be remembered that regulation is being imposed upon U.S. groundfish stocks because of the threat of

overfishing not only by foreign fishermen, but also by domestic fishermen. Thus, the quotas upon the endangered species are rather stringent, and will continue to be until the Regional Management Council feels the stocks have recovered. For example, after only four months of the 200-mile limit the 5,000 metric ton quota for cod in the Gulf of Maine was reached, and the fishery was closed for the balance of the year.

C. Ability of the Domestic Industry to Respond to 200-Mile Limit Potential

The National Marine Fisheries Service has estimated that if foreign imports were kept constant, domestic catch of groundfish would have to increase by 250% to meet domestic demand for fish by 1985.⁶⁵ With foreign imports cut back the demands on the domestic fleet will be even greater. This raises a number of significant questions regarding the capacity of the domestic industry to respond.

(1) Vessel Financing: There is nearly universal agreement that if the domestic fleet is to compete effectively, considerable investment must be made in upgrading the New England fleet. Whether or not new vessels are added immediately (and this is an area of uncertainty), it is essential that loans to fishermen, boat owners and processors be readily available at reasonable interest rates. Only an improved fleet will be able to increase the catch substantially and fish at a level competitive with foreign fleets.

(2) Fresh vs. Frozen Fish: In recent years the domestic fleet has focused primarily on catching fish for the fresh fish and frozen fillet market. Foreign fleets have been the primary providers of the frozen blocks which are the raw material of the frozen fish processors. An important issue to be resolved is whether the domestic fleet can respond by catching and landing fish in the form required by the existing domestic processors. A failure on the part of the existing fleet to respond to this issue may force processing firms to invest in fishing vessels designed to catch fish for the frozen block market. This investment would be the type of vertical integration which presently exists in the Canadian fishing industry where the same corporation controls the catch, processing and distribution of fish.

Thus, if the various components of the domestic fishing industry are to fully benefit from the potential of the 200-mile limit the fish processors, boat owners and fishermen must all be willing to adjust to the realities of the modern market and available technology. Available fleet financing and expanded processing capacity are both necessary components of a revitalized fishing industry.

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EXHIBIT IV-2

The Boston Fish Pier is situated at a prime inner city waterfront location. While commercial development of the pier would probably be financially more profitable for the Authority than rehabilitation for fish industry users; it would not be as great an impetus for regional employment. Massport's conviction to its public mandate of stimulating commerce and employment and its commitment to the existing port industries, led the Authority to propose rehabilitation of the pier for fish industry expansion.

In the next five to ten years Boston's waterfront will be experiencing considerable development. In the project area: that part of South Boston near the Fort Point Channel (see map IV-2 attachment) several hotels are slated to be built as well as housing in some of the warehouses. The Boston Marine Industrial Park lies immediately south of the fish pier properties. The site for the new Children's Museum and the Transportation Museum is immediately adjacent to Commonwealth Pier. Planning is ongoing for the Seaport Access Road and for rebuilding the bridge over the Fort Point Channel. In summary, the character and condition of this area of Boston will be changing considerably in the near future.

Renovation of the Fish Pier should be undertaken in time to profit by the new interest in fishing generated through the 200-mile limit.

For example: Just last August a contract was signed between New England Fish Co. (NEFCO) and Mitsubishi Corp of Tokyo for the largest export deal in American fisheries. The agreement, which commits NEFCO to greater efforts in frozen crab, salmon and bottom fish, will result in major exports to Japan and will have a positive impact on the U.S. balance of trade as well as the development of revitalized U.S. fishing and seafood industry. Significantly, the deal occurred simultaneously with and is closely related to Congressional Bill 95-354, which clarifies and expands the Fishery Conservation and Management Act. Specifically, the bill restrains foreign fish processing vessels from buying U.S. caught fish before U.S. processors.

As more foreign countries are affected by unilateral fishing zones such as ours and Canada's, demand for U.S. fishing products will rise.

Boston, with its proximity to the Georges Bank fisheries and Logan International Airport is in an excellent position to take advantage of this demand.

Rehabilitation of the Boston Fish Pier will stabilize the 1300 existing jobs at the pier, provide 75-100 short term construction jobs, and create an additional 820 long term jobs in fishing, wholesaling and processing. Using a 2.5 multiplier (such as that used in the ports of Boston, Baltimore and Portland) 2,050 new jobs would be created in New England by indirect impact, for a total of 2870 new long-term jobs.

Employment opportunities created will be greatest in the unskilled blue-collar labor market and will provide relief to a labor force that has faced steadily decreasing employment opportunities in the City of Boston and in the region. In the last 20 years Boston witnessed a 52% decrease in blue-collar jobs, from 107,524 in 1946 to 53,236 in 1976 while the number of white collar and professional jobs has remained fairly constant. During the same period, the state of Massachusetts lost 23% of its blue collar job market while a net gain of 19% was experienced nationwide. Unemployment statistics clearly reflect the hardships faced by Boston's blue collar labor force. Blue-collar workers faced the highest unemployment rate in the city, an average of 14.5% as compared to 9.4% for white collar jobs and 6.1% for professional workers.

The renovation of the Boston Fish Pier will, by stimulating the growth of the fishing industry in the area, provide currently unemployed low-skilled workers with new jobs and the opportunity to learn new skills.

What might be less clear to those unfamiliar with the industry, is the recent influx of minorities. The fishing industry is highly fragmented. Family business abound and past hiring concentrated among relatives. Recently, however, the industry has been hiring an ethnically diversified group of employees. 76% of the individuals who joined the Seafood Workers Union during the past 3 to 4 years are members of minority groups (See IV-2 attachments)

John Nagle and Co. (a pier fish processor) reports that during a temporary expansion 5 years ago, 45 new workers were brought in for short term employment; all of whom were non-white.

To encourage employment of minorities and previously unemployed individuals the Massachusetts Port Authority has hired six CETA workers to perform pier maintenance. When their terms ran out this winter (they started last fall) the Authority hired four of them. The Port Authority recently completed another application to CETA for additional workers. This program will provide unemployed individuals with an opportunity to acquire maintenance and perhaps even fish processing skills. Their work is important not only for Massport but also for any subsequent employer.

IV-2 ATTACHMENTS

1. Boston Fish Pier Employment Survey.
2. Letter from L. Nealon, President of the Seafood Workers' Union.
3. Massachusetts Port Authority Non Discrimination, Equal Opportunity and Affirmative Action Policy.

BOSTON FISH PIER EMPLOYMENT SURVEY

Massport conducted an employment survey in December, 1977 to which 49 wholesalers, retailers, and support industries responded. In January, 1979 another survey was taken on the Fish Pier. Although significant increases (16%) in employment were expected in the future, net total of employees did not change. Actual total employment figures are slightly higher than those reported below, as several small and one medium sized firm did not respond.

On The Pier

<u>Name of Firm</u>	<u>Address</u>	<u>Number of Employees</u>
Point Judith Shellfish Co.	6 Fish Pier	6
American Transport	Fish Pier	4
Avenue Fish Co., Inc.	19 Fish Pier	9
Blue Sea Fish	18 Fish Pier	18
T. J. Busalacchi	22 Fish Pier	6
Cram Seafood	3 Fish Pier	7
D & F Fish Co.	32 Fish Pier	17
Great Atlantic Fish Corp.	41-45 Fish Pier	45
Harbor Lobster Corp.	15 1/2 Fish Pier	7
F. E. Harding	16 Fish Pier	32
John Nagle & Co.	33 Fish Pier	34
New England Fillet Co., Inc.	39 Fish Pier	15
No Name Restaurant	15 1/2 Fish Pier	36
O'Donnell-Usen Co.	1 Fish Pier	30
Puritan Fish Co.	21 Fish Pier	16
A. F. Rich Co.	2 Fish Pier	10
Seaside Fisheries, Inc.	1 Fish Pier	25
Super Snooty Seafood Corp.	29 Fish Pier	16
Bart Tribuna Co., Inc.	40 Fish Pier	19
Augustine Daley	Administration Bldg.	3
New England Fish Ex.	Administration Bldg.	3
	Sub total	358

Off The Pier

Abramo Fish Co.	145 Northern Ave.	12
B & M Fish Co.	145 Northern Ave.	10
Boothbay Fisheries	280 Northern Ave.	2
Boston Bonnie Inc.	Trilling Way	82
Boston Commission Co.	280 Northern Ave.	3
Boston Fuel Injection	263 Northern Ave.	16
Brilliant Seafood, Inc.	253 Northern Ave.	92
John Burns Co.	280 Northern Ave.	1
Fulham & Maloney	253 Northern Ave.	8
Globe Fish Co.	145 Northern Ave.	25
G. P. Hale Co., Inc.	145 Northern Ave.	9
R. S. Hamilton Co.	148 Northern Ave.	6
JAS. Hook Co.	15 Northern Ave.	11
Jimmy's Harborside Restaurant	242 Northern Ave.	181
Klausen-Getsby	237 Northern Ave.	6
John Mantia & Sons	236-237 Northern Ave.	15

<u>Name of Firm</u>	<u>Address</u>	<u>Number of Employees</u>
McFisheries	255 Northern Ave.	23
New Hampshire Fisheries	269 Northern Ave.	19
F. J. O'Hara	211 Northern Ave.	5
Paul's Lobster	150 Northern Ave.	15
Pier Fish Co.	145 Northern Ave.	11
Pier Sheet Metal	215 Northern Ave.	7
Sea Frost Fish Co.	145 Northern Ave.	14
Shamrock Fisheries	280 Northern Ave.	15
Stavis Seafood	148 Northern Ave.	13
Turner Fisheries	1 Fish Pier Rd.	28
Westerbeke Fishing Gear	Fish Pier Rd.	4
Wharf Forging & Welding	20 Ramp Rd.	8
Yankee Lobster	272 Northern Ave.	14
	Sub-Total	<u>655</u>
Total Fish Processors		1013
Fishermen		75
Massport Employees		<u>15</u>
Grand Total Employees		1103



Sea Food Workers' Union

Local 2 - I.L.A. - Series 1572

9 SOMERSET AVENUE - WINTHROP, MASS. 02152

Telephone: 846-7200, 7201

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February 8, 1979

Mr. John Corrigan, Regional Director
Economic Development Administration
Atlantic Regional Office
600 Arch Street
Philadelphia, PA 19106

Dear Mr. Corrigan:

I am pleased to report that minority membership in the Seafood Workers' Union is growing by leaps and bounds. Minority members in the union presently comprise 27 percent of the total. Over the last four years, 38 percent of new members enrolled have been minorities. In addition, we will be considering the acceptance of an Icelandic firm, which is presently composed of 26 percent minorities in the middle of February 1979.

Sincerely,

Leon J. Barron
President & Business Agent

MASSACHUSETTS PORT AUTHORITY
NON-DISCRIMINATION, EQUAL OPPORTUNITY AND
AFFIRMATIVE ACTION POLICY

It is the policy of the Massachusetts Port Authority to assure through affirmative action that its facilities and economic opportunities are available to all persons without unjust discrimination.

In its personnel practices, the Massachusetts Port Authority shall not discriminate against any person with respect to hiring, discharge, or terms, conditions or privileges of employment on the grounds of race, color, religion, sex, ancestry, national origin or other arbitrary classification. As an integral part of this policy, the Authority affirmatively seeks to improve and increase employment opportunities at all salary levels for groups now underrepresented in its workforce. Numerical goals and timetables for participation by minorities and women in the Authority's employment opportunities are therefore adopted as part of this policy. The Authority is presently developing comparable provisions for attaining and assuring equal employment opportunity for other underrepresented groups.

In addition, the Massachusetts Port Authority takes a special interest in those neighborhoods and

communities most directly affected by the operation of the Authority's facilities, and seeks to assure the fullest range of employment opportunities for their residents.

All phases of full time, part-time, temporary and seasonal employment are covered by these policies.

The Authority is equally committed to equality of economic opportunity in its relations with its concessionaires, lessees, suppliers, contractors, consultants and all others who benefit through economic relations with the Authority. To the full extent of its legal powers, the Massachusetts Port Authority seeks to conduct all its business with attention to affirmative action goals and to require enforceable equal opportunity undertakings from all those with whom it does business.

In achieving equal opportunity goals and timetables, the Authority also adopts and adheres to non-discrimination affirmative action guidelines and provisions established by the Federal government and the Commonwealth of Massachusetts.

Finally, the Authority's policy also requires the non-discriminatory treatment of all persons with respect to services and facilities provided to the public it serves. The policy of the Authority is therefore to take affirmative action to prohibit discriminatory treatment of any person or organization

in the services or opportunities offered at all Authority locations.

Every Massachusetts Port Authority employee has a duty to ensure the implementation of this policy. All employees shall receive a copy of this policy. Appropriate summaries of this policy shall appear in Authority publications. The Massachusetts Port Authority stresses that each of its employees is expected as part of his or her job to advance the equal opportunity goals of the Authority.

GOALS, STANDARDS AND TIMETABLES

A. Equal Employment Opportunity

Because the composition of the Authority's present workforce shows the underrepresentation and underutilization of women and minorities, the Massachusetts Port Authority is establishing goals, standards and timetables in its effort to achieve the speedy elimination and remedy of those patterns.

The Authority's employment policy goals are applicable to the internal affairs of the Massachusetts Port Authority and apply to all terms and conditions of employment at the Authority. These goals are based on the demographic characteristics of the cities of Boston, Chelsea, Revere and Winthrop.

1. Minority Employment: The Authority's goal is to achieve 20% minority representation among the

employees at every level of the Authority.

2. Female Employment: The Authority's goal is to achieve 40 % female representation among the employees at every level of the Authority.

3. Residents of Areas Particularly Affected by the Authority's Operation: Almost 30% of the Authority's employees are residents of East Boston, South Boston, Chelsea, Charlestown, Revere and Winthrop. The Authority does not set a numerical employment target for the residents of these impacted communities, but it is the Authority's goal to increase the availability of Massachusetts Port Authority employment for residents of these neighborhoods at all job and salary levels and to take affirmative steps to upgrade the level of employment that they hold at the Authority.

It is recognized that the pool of applicants for some job classifications is likely to be limited. However, it is the Authority's consistent objective that all job and salary levels reflect the specific goals indicated.

4. Massport Contractors, Concessionaires, Lessees, Suppliers and Others With Whom It Does Business:

To the full extent of its powers the Authority requires of those with whom it does business appropriate affirmative action employment goals

comparable to its own targets.

5. Rates of Goals Achievement - Establishment of Annual Goals: It is recognized that rates of progress toward achieving equal opportunity goals will be regulated by many interrelated factors such as fluctuating rates of employee turnover which, in turn affect other personnel activities including opportunities for new hires, promotions and transfers. An analysis of each of the Authority's job classifications shall be conducted and will consider anticipated expansion or contraction and turnover of and in the Authority's workforce. This information will form the basis for determining annual goals for hiring, transferring and promoting women and minorities within each unit and/or facility by job classification.

The personnel department, department and division heads, and unit managers will be involved in the annual goal setting process. The Executive Director and the Compliance Officer shall review and revise these annual goals as necessary in order to ensure that annual goals are significant, measurable and that they demonstrate deliberate progress toward the employee goals of 40% female and 20% minority.

Among other factors to be analyzed in establishing annual goals are: the availability of minorities and

women having the requisite skills; the existence of training institutions capable of training persons in the requisite skills, and the degree of training the Authority is reasonably able to undertake as a means of making all job classes available to minorities and women. After analyzing such factors, if goals for certain units or job classifications are not established or are reduced in scope, the reasons will be detailed. The Authority's goals and timetables shall provide the ability to expand or contract, accelerate or decelerate in relationship to these factors as they influence opportunities to meet goals. It is, however, reasonable to establish as benchmarks that within those job classifications with a 20% annual turnover rate that minority employment goals can be fully achieved within 5 years, that more than one half the goals for employing women can be achieved in the same period of time, and the full goal for employing women can be achieved in 8 to 10 years. Semi-annual reports to the Authority's Directors should demonstrate significant and measurable progress toward achieving equal opportunity goals.

The preceding goals apply not only to entry level jobs but also encompass opportunities for employment at every level.

The numerical goals of this Affirmative Action Program are meant to be used as management objectives

and are not intended to be used to discriminate against employees or applicants who are not of a particular class. The goals, as presented, should not be regarded as maximum quotas; rather the stated goals represent minimum target levels of participation by the groups to which the goal is applied. The goals are not meant to impair lawful rights under existing collective bargaining agreements, but the Authority is committed to promote equal employment opportunity through its own participation in the collective bargaining process.

All Authority employees, present and future, are expected to carry out their job responsibilities at reasonably established standards of performance and productivity and to comply with the Authority's policies, rules and regulations. The failure of any employee to meet designated job responsibilities will be subject to established disciplinary procedures.

B. Equal Economic Opportunity

The Authority has adopted the following goals as its Affirmative Action Program to be brought about through the exercise of its lawful powers in its relations with its concessionaires, lessees, contractors, suppliers and others with whom it does business.

1. Lessees and Concessionaires: The Authority will make substantial affirmative efforts to contact and encourage qualified minority and female

entrepreneurs to participate in its lease and concession opportunities. In the granting of leases and concessions, or the approval of sub-leases, it is the Authority's goal to achieve not less than 20% participation in leases and concessions by minority and female entrepreneurs, measured by dollar volume excluding rentals and fees paid by airlines. Determinations of the timetable for meeting this objective will be based on a study of the Authority's non-airline lease and concession dollar volume and the turnover of such leases and concessions.

2. Goods and Services: A substantial proportion of Massachusetts Port Authority contracts and purchase orders for goods and services will be let to qualified minority and female contractors. The goal is not less than 20% of the dollar volume of contracts and purchase orders for goods and services, excluding such items as the public utilities. Affirmative steps will be taken by the Authority to include and encourage minority and female businesses as bidders for the purchase of all goods and services. In order to achieve its affirmative action goals the Authority shall utilize such special modifications to conventional bidding practices as are permitted by law.
3. Construction Contracts: The Massachusetts Port

Authority will assure, to the full extent of its powers, that every construction contract including maintenance and repair work let by the Authority or by its contractors, lessees or concessionaires, will include provisions meeting or exceeding the requirements of the Supplemental Equal Opportunity Anti-Discrimination and Affirmative Action Program as approved by the Massachusetts Commission Against Discrimination. For its own contracts, the Authority will seek to achieve a goal of not less than a 20% ratio of minority employee person-hours in each job category. The Authority will make affirmative efforts to increase the bidders lists to include qualified minority and women contractors. As with goods and services, the Authority shall utilize such special modifications to conventional bidding practices as are permitted by law in order to achieve its affirmative action goals.

EQUAL OPPORTUNITY AND COMMUNITY PARTICIPATION

It is an integral part of the Massachusetts Port Authority's affirmative action policy to solicit, consider and implement new techniques and procedures for attainment of equal opportunity goals. The Authority encourages members of the communities of which it is a part--including its

employees and potential employees, and all those with whom it does business or might do business--to bring to the attention of the Authority those ideas, innovations, proposals and suggestions which will assist the Authority and its staff in reaching the goals set forth in this policy.

REVISED DRAFT

EQUAL EMPLOYMENT

and

AFFIRMATIVE ACTION PROGRAM

for the

MASSACHUSETTS PORT AUTHORITY

Date of Revision
June, 1978

Section I

Policy Statement

Nov., 1976
adopted
by Members of the
Massachusetts Port Authority

This Equal Employment and Affirmative Action Program has been developed in accordance with the non-discrimination, Equal Opportunity and Affirmative Action Policy adopted by the members of the Massachusetts Port Authority and in accordance with applicable federal and state laws including:

M. G. L. Chapter 151 (b); Chapter 149, Sections 1 and Sections 105 (A) to (d); The Governor's Code of Fair Practices - Executive Order 74, as amended and revised by Executive Order 116; Administrative Bulletin 75-14; Title 29 of USCS; Title 49, part 21 of DOT code; Titles VI & VII, Civil Rights Act of 1964, Title 41, Chapter 60, Office of Federal Contract Compliance; and Executive Orders 11246 and 11375

DEFINITIONS

Racial Groups

1. White - all persons of Indo-European descent
2. Minorities
 - a. Black - all persons of African descent as well as those identified as Jamaican, Trinidadian, West Indian and Cape Verdean.
 - b. Hispanic - all persons of Mexican, Puerto Rican, Cuban, Dominican or other Latin American heritage.
 - c. Native American - all persons who are known as such by virtue of their tribal associations.
 - d. Asian-American - all persons of Japanese, Chinese, Korean, or Filipino descent.
 - e. Other - all persons of Aleut Eskimo, Malayan, Thais and other nonwhites not specifically noted above.

MASSACHUSETTS PORT AUTHORITY
NON-DISCRIMINATION, EQUAL OPPORTUNITY AND
AFFIRMATIVE ACTION POLICY

It is the policy of the Massachusetts Port Authority to assure through affirmative action that its facilities and economic opportunities are available to all persons without unjust discrimination.

In its personnel practices, the Massachusetts Port Authority shall not discriminate against any person with respect to hiring, discharge, or terms, conditions or privileges of employment on the grounds of race, color, religion, sex, ancestry, national origin or other arbitrary classification. As an integral part of this policy, the Authority affirmative action seeks to improve and increase employment opportunities at all salary levels for groups now underrepresented in its workforce. Numerical goals and timetables for participation by minorities and women in the Authority's employment opportunities are, therefore, adopted as part of this policy. The Authority is presently developing comparable provisions for maintaining and assuring equal employment opportunity for other underrepresented groups.

In addition, the Massachusetts Port Authority takes a special interest in those neighborhoods and communities most directly affected by the operation of the Authority's facilities, and seeks to assure the fullest range of employment opportunities for their residents.

All phases of full time, part-time, temporary and seasonal employment are covered by these policies.

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The Authority is equally committed to equality of economic opportunity in its relations with its concessionaires, lessees, suppliers, contractors, consultants and others who benefit through economic relations with the Authority. To the full extent of its legal powers, the Massachusetts Port Authority seeks to conduct all its business with attention to affirmative action goals and to require enforceable equal opportunity undertakings from all those with whom it does business.

In achieving equal opportunity goals and timetables, the Authority also adopts and adheres to non-discrimination affirmative action guidelines and provisions established by the Federal government and the Commonwealth of Massachusetts.

Finally, the Authority's policy also requires the non-discriminatory treatment of all persons with respect to services and facilities provided to the public it serves. The policy of the Authority is therefore to take affirmative action to prohibit discriminatory treatment of any person or organization in the services or opportunities offered at all Authority locations.

Every Massachusetts Port Authority employee has a duty to ensure the implementation of this policy. All employees shall receive a copy of this policy. Appropriate summaries of this policy shall appear in Authority publications. The Massachusetts Port Authority stresses that each of its employees is expected as part of his or her job to advance the equal opportunity goals of the Authority.

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GOALS, STANDARDS AND TIMETABLES

Equal Employment Opportunity

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Section II
Responsibilities

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Responsibilities

A Compliance Officer, directly responsible to the Executive Director, has been named and will have the responsibility and authority to implement the Affirmative Action program. In order to effectively implement and monitor this program additional staff may be designated or appointed to assist the Compliance Officer.

The effective implementation of any agency's Affirmative Action Program requires the cooperation and implementation by personnel at all levels of the agency. Thus, at the Massachusetts Port Authority the successful implementation of its affirmative action policy will require that each department head and supervisor at the Authority submit and implement an Affirmative Action Program designed to bring his division or department into conformity with the overall goals of the Authority. Each supervisor will be required to submit to the Compliance Officer an Anti-Discrimination/Affirmative Action Plan to cover her/his areas of responsibility. Such plan will include goals and timetables designed to have her/his workforce at all levels be 20% minority and 40% women at the end of the stated time period. These long range goals and timetables are not inflexible since they cannot be based upon exact predictable statistics such as anticipated turnover, contraction and expansion. Further the "availability" of members of protected classes in the labor force may increase if better jobs and opportunities for training and promotion become open to them. Therefore, annual intermediate target goals will be developed for every department and for each under-represented/underutilized group in each job category. The annual minimal goals will be developed for hiring, training, transferring and promotion.

Each department and unit manager shall participate in assessing factors such as anticipated turnover and training possibilities and use this data to set targets (subject to review and revision by the Compliance Officer).

All phases of full-time, part-time, temporary and seasonal employment are covered by the policy as well as contracting, construction, leases, collective bargaining agreements, purchasing and other similar Authority activities. All employees shall receive a statement of the Authority's Affirmative Action Program and all supervisors/division heads shall receive a copy of this document. Employees who are operationally responsible for the success of this Program will submit quarterly status reports to the Compliance Officer on the progress or lack of progress of each division in meeting affirmative action goals and objectives. Compliance with this Program will be monitored periodically by the Compliance Officer as well as on a semi-annual basis by the Executive Director and Board of Directors and at such other times as may be deemed appropriate.

At the same time the Executive Director and the Compliance Officer accept the responsibility for the development for centralized administrative procedures which will assist each supervisor in carrying out her/his responsibilities in the area of equal employment opportunity and affirmative action; it shall, however, be understood that once the procedures are adopted, the burden for achievement of the Authority's affirmative action goals rests equally with each supervisor/division head.

The achievement of affirmative action goals and objectives by department directors and unit supervisors will be reviewed as a component of the annual performance review.

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The Compliance Officer of the Massachusetts Port Authority shall have "sign-off" powers over all transactions which affect affirmative action at the Authority. Such sign-off authority (as established in Executive Order 74, as amended by Executive Order 116) includes authorization to proceed on all personnel matters, and shall also include review of the execution of leases and contracts, both vendor and construction; collective agreements; and other related matters. No activity in which the Authority is engaged which involves the expenditure of money or the hiring of personnel will be excluded from this review and authorization.

Section III

Massachusetts Port Authority

Employment: Evaluation of Procedures

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A. Employment

This section addresses and presents an overview of actions which are planned to have already been implemented by the Authority to remove barriers to the employment of women and minorities. The identification of internal factors which tend to operate as barriers to achieving long-range and intermediate yearly goals is an on-going process. Therefore, all aspects of the employment process, including recruitment, selection and placement procedures are continually examined by the Compliance Office and Personnel Department to ensure compliance with the Authority's Affirmative Action Program and with federal and state statutes and judicial mandates regarding equal employment opportunity.

The current policy on personnel procedures has been reviewed and revised as necessary under the direction of the Compliance Officer and Personnel Director to ensure that all employment policies and practices stated therein are in conformity with federal and state statutes and judicial mandates regarding equal employment opportunity. Any provisions (s) of the policy or personnel procedures which are found to be in conflict with the policies or intent contained in this Affirmative Action Program are referred (according to the level of action required) to the Personnel Director, Director of Administration and/or Personnel Committee for appropriate corrective actions.

1. - Job Analysis and Classification Studies

a. - Job Analysis Study - An analysis of all job classes for which persons are employed by the Massachusetts Port Authority has been undertaken. This analysis consisted of reviewing and revising as necessary all current position descriptions to ensure that, for each job classification, the job descriptions accurately reflect the actual tasks to be performed and are consistent from one facility to another.

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As openings occur, both the description of duties and requirements for employment are re-evaluated for currentness, job relatedness and validity. Based on these descriptions and evaluations, job requirements which are directly related to actual tasks to be performed have been established.

b. - Job Classification Study - The Authority's Personnel Committee reviews completed job descriptions and requirements and makes recommendations regarding job re-classification where deemed advisable.

2. - Recruitment and Outreach

In order to upgrade the quality of applicants and to assist in the process of making Massport's workforce representative of the population it serves, an aggressive recruitment program directed primarily at the minority and professional female communities has been undertaken by the Authority. The components of this program include: advertising in certain selected publications; an aggressive public relations campaign designed to clearly demonstrate the Authority's commitment to achieve measurable increases of female and minority participation in its workforce; contact with female and minority recruitment organizations and other similar mechanisms.

a. - External Recruitment - A study of recruitment resources, including executive search firms for members of protected classes and impacted communities has been made and a list of such organizations and media resources was developed and is kept up to date. The Authority's Personnel Department notifies recruitment sources of anticipated and current job openings. Help wanted advertising includes the minority news media, and media of the impacted communities on a regular basis, and states that the Authority is an "Equal Opportunity Affirmative Action Employer, M/F" .

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Any contract or communication that the Authority makes with a recruitment source will be free of implied or explicit preference for a particular race, sex or age group. All "help wanted" advertisements, posters or other notices will be prepared in an uncomplicated, easy-to-read format. Whenever possible, advertisements sent to Hispanic recruitment sources will be sent in Spanish and English..

Recruitment also includes contacts with other state and city agencies, particularly those with similar job requirements, to obtain the names and addresses of female and minority job applicants. Those qualified applicants, who are identified through these state and city agencies, will be contacted to determine availability and interest.

Notices of job openings are mailed to the organizations listed in the Appendix; employment openings that have qualifications calling for specialized professional or technical skills and knowledge are also referred to an executive search firm (see Appendix) as well as professional and trade associations.

- b. - Internal Recruitment - Bidding - Competitive opportunity must be granted to both internal and external candidates for job openings if affirmative action is to take place at all job and salary levels; therefore, external recruitment activities are timed to coincide with notices of current job openings which are posted at all Massachusetts Port Authority facilities for seven (7) working days. These external activities include, but are not limited to sending notices to female and minority organizations and newspapers as well as using other appropriate recruitment mechanisms.

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- Selection of Employees - The detailed hiring process is presented in Section IV
 - a. - During the selection procedure applicants will be kept informed regarding the status of their application.
 - b. - The Authority maintains a retrieval system for minority and women applicants only for the purposes of this Affirmative Action Program. These files are not to be used in any discriminatory manner. Records of applicants from impacted communities are also kept in a similar file.
 - c. - If the applicant is not hired, the personnel officer shall refer back to the protected class or neighborhood retrieval system as future openings occur giving persons in that file first priority on openings in the order of their date of application.
 - d. - Interview and Evaluation - During the initial stages of the selection process, applicants reached by the foregoing recruitment methods should be evaluated separately from other job seekers. This additional step in the process is intended to facilitate affirmative action and equal employment in the selection process.

- Procedural/Monitoring of Interviews

Reporting forms or other procedures have been developed to identify and analyze barriers to affirmative action. These key steps will be monitored with records indicating the effect of each activity by race, national origin and sex:

- a. - Recruitment sources
- b. - Application forms and pre-employment inquiries
- c. - Job descriptions (for job-relatedness)
- d. - Tests (for disparate impact; requests average test scores
for each group) (validated for job relatedness)
- e. - Interview procedures and results
- f. - Physical examination
- g. - Reference and security checks
- h. - Job assignment

5. - Retaining Protected Class Employees

Although many of the procedures in this section have been followed on an informal basis, by March, 1978 the following efforts shall be made standard procedure to encourage the successful and continued employment of protected class members:

- a. - The Authority shall emphasize its firm commitment to its Affirmative Action Program in orientation sessions conducted for all new employees
- b. - Follow-up counseling interviews between the Massachusetts Port Authority's Compliance Officer, (or designee) and employees who are members of protected classes shall be conducted periodically in order to determine if any employment adjustment problems have developed and to deal with such problems as they arise.
- c. - Starting immediately exit interviews shall be conducted under the direction of the Compliance Officer with all terminating and dismissed protected class members to explore reasons for leaving or dismissal and to make recommendations to management to correct and/or remedy

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B. Placement

Placement includes: transfer, promotion, training, demotion, lay-offs, recall and termination.

1. - Transfer and Promotion

In addition to setting yearly targets for the hiring of protected class members, each department unit of the Authority shall set targets for upgrading members of protected classes. These intermediate goals are particularly important in achieving the long-range objective of equal employment in all job classifications.

a. - Remedial Action File - The Authority will establish a "remedial action file", of its present minority and female employees who wish to be included in such a file and who may be eligible for promotion to one or more positions within the Authority.

The "remedial action file" will be established by September 1, 1978. During the compilation of this file, the Personnel Officer will interview and review the records of each minority and/or female employee who wishes to be included and to:

1. - Update records on the individual's qualification, education, experience, seniority and performance on the job.
2. - Identify individuals who appear to be working in jobs that are below their abilities.
3. - Provide each individual with an assessment of his or her opportunities for advancement, the pre-requisites for such advancement and an estimate of the probability for such advancement becoming a reality.

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The Authority will consult the "remedial action file" when it plans to fill a vacant position, particularly when the vacancy occurs in a classification where minority persons or women are under-represented.

- Training and Education

The Authority recognizes that its Affirmative Action Program must contain a training component to provide skills that are essential to jobs where women and minorities are under-represented and to compensate for deficiencies in experience and/or education that resulted from past discrimination.

The Authority will, therefore, make full use of the various training programs available to it to help meet its objectives for hiring and promoting minority persons and women. Where no training program exists for the varied job classes, the Authority will seek to promote and develop such programs in-house or in cooperation with other state, federal or local agencies and organizations.

Because many of the positions (other than entry level) at Logan Airport require a class II drivers license, a pilot training program in trucking and plow operation was initiated in 1977 and will be expanded in the Spring of 1978. Upon successful completion of this program an officer of the Registry of Motor Vehicles tests our employee-candidate for the class II license.

During 1977, the Authority also participated in Northeastern University's Women's Career Project (WCP), a program designed to provide job specific courses and supportive counseling to prepare course participants middle-level management positions which had been targeted by the Authority.

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Two positions were targeted and committed to the WCP: one for an internal candidate in the Accounting Department and one for an external candidate to be placed in the Community Affairs Department. The internal candidate assumed her new responsibilities in August, 1977. Representatives from the Personnel and Compliance Departments will be meeting with the WCP in February of 1978 to discuss future participation by the Authority in the Program.

In 1977, the Authority also participated in the YWCA's Non-Traditional Occupations for Women and committed five (5) summer job slots to program graduates in the Building and Field Maintenance Departments. In 1978, we anticipate a continuation of our participation in this program.

From January to June 1978, the Authority will be implementing a two year management training program which will involve 5 to 8 positions which will provide exposure for candidates selected to at least four different operating and administrative departments. The Authority's Human Resources Manager holds primary responsibility for the design and implementation of this project and will work closely with the Compliance Office in selecting trainees.

Other plans include meetings with the Boston OIC to explore the possibilities of a joint training program with that organization.

- a. - Internal Training - The Authority will ensure that all initial training and job familiarization procedures for each department are provided in a non-discriminatory manner. Where it is indicated that this initial on-the-job training and orientation results in a high turnover rate among protected classes then new methods and procedures shall be developed.

- b. - External Training and Education Programs - In addition to making full use of the outside training programs available to it, the Authority shall ensure that any skills, training or educational program to which the Authority provides resources (financial, materials, or personnel) is in compliance with the Authority's Affirmative Action Program.

Authority employees, particularly women and minority group members, shall be made aware of educational opportunities and the Authority's policies on education benefits and leaves.

- c. - Training - Affirmative Action Program - Training for management and supervisory staff shall acquaint them with the Authority's Affirmative Action Program. This training will include techniques designed to increase the sensitivity and awareness of the Authority's management and supervisory staff to the issues inherent in the implementation of an Equal Employment/ Affirmative Action Program and shall provide the basis for its practical application in "on-the-job" situations. It is anticipated that this sensitivity training will be provided by an outside consultant/trainer. The cost for this will be included in the Compliance Office budget which will be presented to the Board of Directors in June, 1978. If approved and after a consultant/ trainer has been identified and selected, it is expected that the training will begin by October, 1978. Such training will also include an explanation of:



1. - All provisions of the Authority's Affirmative Action Program.
2. - The legal basis of an Affirmative Action Program.
3. - Supervisory responsibilities related to affirmative action.
4. - The legal options available to a person making a complaint of alleged discrimination.

A training program for all the Massachusetts Port Authority employees has been established to explain the purpose of the Affirmative Action Program to stress the authority's commitment to this program, to answer any questions that employees may have regarding the program's intent and to explain individual employee affirmative action responsibilities and benefits.

All Authority employees at Logan Airport received this training in sessions between April to July, 1977. Sessions for employees at Hanscom Field, the Robin Bridge and Port division are planned for the same period during 1978.

In order to encourage employees to increase their knowledge and skills and thereby gain eligibility for possible promotional opportunities, the Compliance Officer or designee shall counsel employees upon request regarding educational and training opportunities available in the community. A special effort shall be made to encourage members of protected classes and impacted community residents to participate in further education and training programs.

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Affirmative Action Grievance Procedure

A grievance procedure shall be developed by April, 1978 under the direction of the Executive Director and Compliance Officer and will be reviewed by the Authority's personnel Committee. The purpose of this procedure is to provide an orderly, timely and equitable means of investigating and resolving internally and informally, whenever practicable, complaints relating to alleged discriminatory policies or practices. The procedure shall not cover any other matters and shall be the exclusive internal procedures available to Massachusetts Port Authority employees, tenants, concessionaires and to the general public for resolving complaints regarding alleged discrimination.

Such procedures shall in no way be designed to supersede or replace existing remedies available to employees, tenants, concessionaires or the general public under civil rights statutes or collective bargaining agreements.

1. - Collective Bargaining Agreements

Every agreement between the Authority and its collective bargaining units has been examined for policies or procedures which may result in equal employment/affirmative action barriers. Between January 1976 and December 1977, all agreements have come before the Authority for re-negotiation. The Compliance Office has provided new and/or revised clauses to the Authority's negotiating team for inclusion in the new agreements. Every agreement now includes an affirmative action/equal employment clause covering all procedures of the agreement. Contracts with collective bargaining units shall be continually reviewed and revised wherever current provisions are identified as barriers to equal employment.

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2. - Other Terms and Conditions of Employment

There shall be no unlawful discriminatory practices by the Massachusetts Port Authority with regard to any terms and conditions of employment including but not limited to those which have been heretofore discussed.

Section IV

Hiring Process

As Reviewed and Approved
By The Authority's Personnel Committee

Hiring Process

Massachusetts Port Authority

Projected Goals

Each Division/Department/Unit Manager will project annual affirmative action hiring goals for each job category when developing their overall hiring projections for the year. The affirmative action hiring goals will be reviewed and revised as necessary by the Compliance Director to assure conformity with the Authority's affirmative action goals and timetables.

Hiring Process

- Job Vacancies - Openings

Whenever a vacancy occurs or a new position is created it must be reported directly to the Personnel Department. The Personnel Department will notify the Compliance Office with information concerning: whether or not the job (s) will be filled and when; the estimated potential for neighborhood preference and affirmative action giving consideration to current levels of under-representation or under-utilization in the unit; obligations under collective bargaining agreements; and availability of affirmative action and neighborhood candidates for the position (s).

I. - Job Descriptions

Job descriptions for new positions or those not previously described should be prepared by the appropriate unit supervisors with the assistance of the Personnel Department. In preparing the description, the Director of Administration and/or the Personnel Director may involve other department managers outside of the proposed positions' direct reporting relationship if the job functions of that position cross departmental lines of authority. The descriptions of duties and requirements for employment will be evaluated for currentness, job relatedness and validity.

Hiring Process

Responsibilities/Procedures

- Job Descriptions

Requirements should be directly related to actual tasks to be performed. The Compliance Department will review descriptions for validity before distribution. The Personnel Committee will review descriptions of all new job titles and all position descriptions with starting salaries over \$12,000. For information purposes, copies of descriptions will be shared with Board Members.

- Job Requisitions

Pursuant to action by the Personnel Department, and in addition to the approval required of the Executive Director or Secretary/Treasurer, the Compliance Office initials and records the job opportunity.

- Recruitment and General Advertising

Internal and external recruitment activities will be timed so that all interested candidates are known to the Authority before the selection process has begun. Internal efforts consist of bid postings at Authority facilities.

External recruitment will involve advertising in select newspapers and other publications which are widely read by members of the female and minority communities and residents of communities affected by the Authority's operations. Radio and television media forms will be utilized when appropriate for advertising job openings.

Recruitment efforts to fill job openings which have responsibilities that may impact on those communities affected by the Authority's operations, should include active measures to draw on the resources of those communities to identify candidates.

Job notices will be sent to recruitment sources such as minority and female community and professional organizations, in accordance with existing policy. Search firms will be utilized as needed for difficult to fill positions. Recruitment will also include contact with other state and city agencies, particularly those with similar job requirements. Active recruitment programs will be carried out at secondary schools, junior colleges and colleges. The current pool of applications and resumes will also be used.

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- Initial Screening

Bids, applications and resumes including those already on file will be evaluated. Qualified and qualifiable applicants may be interviewed by Personnel. Reasons for disqualifications will be specified when necessary. Candidates successfully passing through initial screening will participate in the interview process for final selection. The bids applications and resumes of those screened out will be reviewed by the Compliance Department. All candidates will be informed about the steps in the Authority's selection process.

I. - Selection Interviews

These interviews will be conducted by unit supervisors/managers with the job opening and/or the Personnel Department. The top 5 candidates will be identified and assessments toward final recommendation will be made. The unit, Personnel and Compliance Departments will participate in the assessment in order to make a recommendation for award which has included affirmative action and neighborhood preference considerations. Training sessions will be developed for all Authority interviewers concerning areas of sensitivity in regard to equal employment opportunities and affirmative action.

II. - Job Award Recommended

A compliance review form listing all candidates, also naming the successful candidate (s), is prepared by the Personnel Department and all candidates are notified concerning the outcome of the process. Payroll changes and/or additions to the payroll forms are authorized by Personnel and are signed off by the Compliance Department.

For professional and administrative positions, the resumes of the top 5 candidates (ranked in order of choice, if possible) will be provided to the Personnel Committee as part of the back-up material.

VACANCIES - OPENINGS

JOB DESCRIPTIONS

JOB REQUIREMENTS

Reported to Personnel.
Personnel will notify
Compliance Office of vacancy
with assessment of potential
A. Impact and time frame
for filling position.

Analyzed & Reviewed
for consistency with
actual job requirements.

Personnel
Compliance
Secy/Treas.
Exec. Dir.

OPENING(S) FILLED

INITIAL SCREENING

Bids, applications, resumes
evaluated - best qualified
applicants may be interviewed
by Personnel - Disqualifica-
tions specified when necessary.

RECRUITMENT

Internal External

SELECTION INTERVIEWS

By Unit with job opportunity
Top 5 candidates ranked in
order of choice with explana-
tion of reasons.

UNIT/PERSONNEL/COMPLIANCE
ASSESSMENT OF CANDIDATES
REGARDING A.A. AND NEIGH-
BORHOOD PREFERENCE.

JOB AWARDED

ALL CANDIDATES NOTIFIED
CONCERNING OUTCOME

JOB AWARD(S) RECOMMENDED

Compliance Forms

Payroll changes
and/or additions
to payroll
authorized by
Personnel & Com-
pliance

Section V

Utilization Analysis

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Employment Goals

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* City of Boston Population Figures
by sex and minority status

	<u>#</u>	<u>%</u>
White Males	212,587	35.0
Minority Males	63,788	10.5
Minority Females	77,133	12.7
White Females	253,909	41.8
	607,417	100.0

* Source: Manpower Information for Affirmative Action Programs,
Division of Employment Security, U. S. Department of
Labor, 1977. See (appendix).

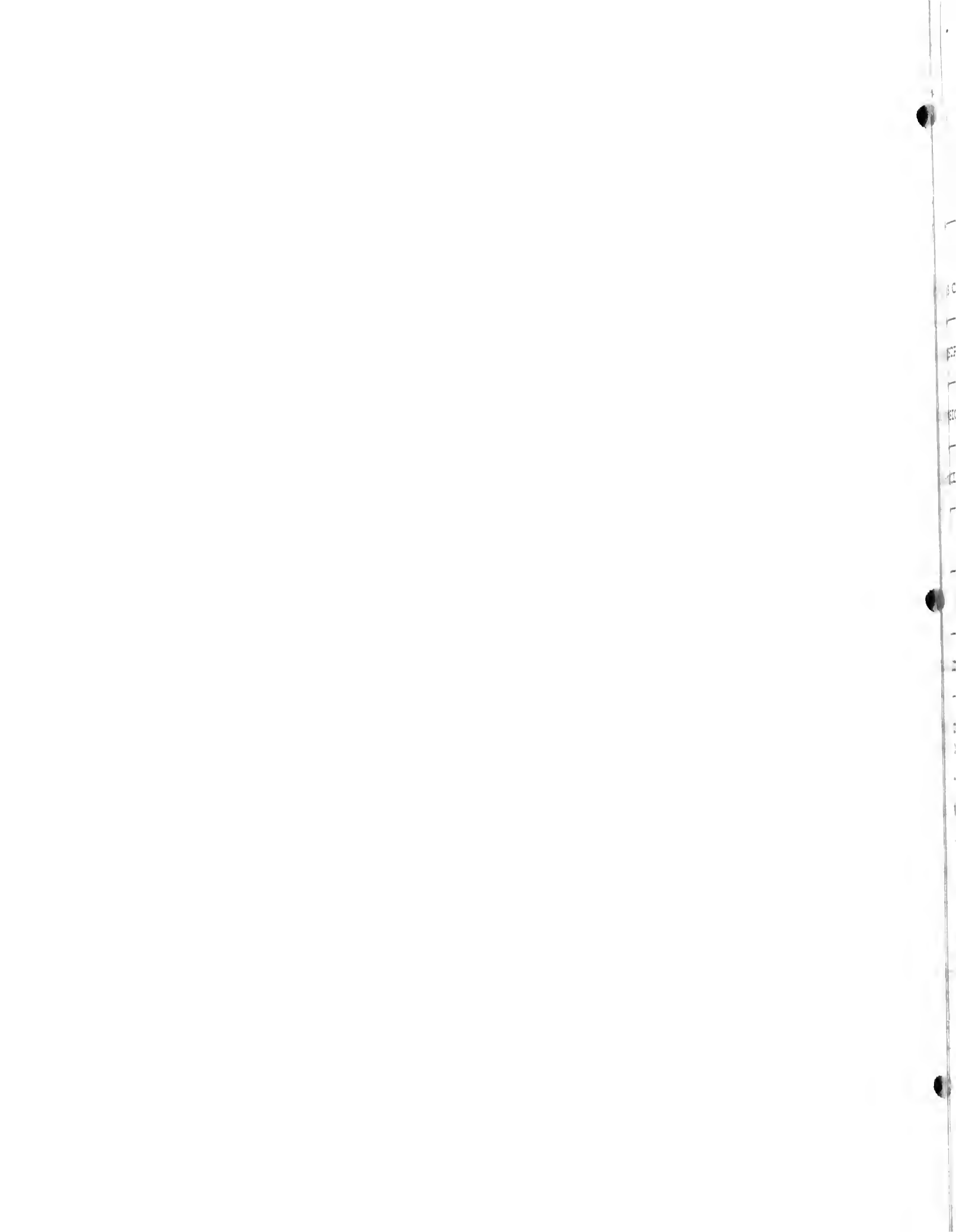


Table 2
Massachusetts Port Authority

Employee Count as of Jan. 1978

JOB CATEGORIES	M A L E					F E M A L E					Total
	White	Black	Hisp.	Asian	Am. In.	White	Black	Hisp.	Asian	Am. In.	
ISTRATORS/MANAGERS	38	3	0	0	0	3	0	0	0	0	44
SSIONALS	59	4	0	0	0	9	2	0	0	0	74
ICIANS	31	4	0	0	0	1	0	0	0	0	36
CLERICAL	13	1	0	1	0	66	11	1	1	0	94
ED CRAFT WORKERS	100	3	0	0	0	0	0	0	0	0	103
CTIVE SERVICE WORKERS	86	34	0	0	0	2	0	0	0	0	92
ICE/MAINTENANCE	203	18	1	0	0	8	3	0	0	0	233
PROFESSIONALS	10	0	0	0	0	7	0	0	0	0	17
SPORT OTALS	540	37	1	1	0	96	16	1	1	0	693

Officials &
Administrators

Director of Purchasing
Asst. Comptroller
Airport Manager
Asst. Airport Manager
Build. Maint. Manager
Hanscom Manager
Chief, Fire Dept.
Asst. Chief Fire Dept.
Parking Manager
Operations Manager
Asst. Field Maint. Manager
Asst. Build. Maint. Manager
Asst. to Port Dir.
Gen. Supt. Terminals
Asst. P. R. Director
Mgr. Logan P. R.
Executive Director
Sec. Treas./Dir. Adm.
Container Term. Super.
Planning Director
Engineering Director
Marketing Director
Dir. of Development
Personnel Director
Compliance Officer
Comptroller
Port Director
Tobin Bridge Director
Aviation Director
Chief Engineer
Deputy Chief Eng.
Dir. of Comm. Affairs
Asst. to Dir. of C.A.
Mgr. Special Programs
Gen. Supt. C.I.
Office Manager
Dir. of Labor Relations
Dir. of Public Affairs
Asst. Sec. -Treas.
Noise Mgmt. Officer
Port Administrator
Dir. of Budget & Finance
Deputy Comptroller
Manager, Seaport Sales

Service/
Maintenance

Toll Officers
Toll Captain
Toll Lieutenant
Toll Sgt.
Skilled Laborer/Bridge
" " Logan
" " Hanscom
Bldg. Maint. Work Foremen
Bldg. Maint. Man A
" " " B
Power Plant Apprentice
Janitor/Logan
" Hanscom
Work Fore./Logan-FM
Sr. Maint. Foreman (BM)
Gen. Maint. Fore. F.M.
Garage Master - F.M.
Bldg. Maint. Fore-Bridge
GTU Supervisor
GTU Dispatcher
Park. Supervisors
Cashiers
Attendants
Gen. Maint. Fore-Hanscom
Fish Pier Maint.
Fish Pier Wharf & Weigh
Foreman-Piers
Maint. Fore.-C.I.
Tour Guides-Logan
Super. -Interpreter
Flagman
Skilled Lab.p.t. Hanscom
Share-a-cab Dispatcher
Foreman, Sign Shop
GTU Service Mgr.
Public Services Super.
Chief Pub. Services Rep.
Asst. Super. Interpreters
Share-a-cab Super.

Workers

Super. Elec. Dept.
Roofer/Spray Painter
Carp. -Locksmith A
" " B
Carpenter
Welder
Carp. -Meter Repair.
Plumber
Bldg. Equip. Mechanic
Mason A
Mason B
Heating Plant Super.
1st Class Eng.
2nd Class Eng.
Steam Fireman/Logan
HVAC Foreman
HVAC Mechanic
HVAC Trainee
Meter/Reader
Fore./Sign Shop
Sign Painter
Mtr. Equip. Rep.
Fore. Logan
Mtr. Equip. Rep. Logan
Mtr. Equip. Rep.
Help. -Logan
Heavy Equip. Op. -Logan
Mtr. Equip. Repairman
Bridge
Mtr. Equip. Rep. Help.
Bridge
Heavy Equip. Op/Bridge
Elec. Fore/Logan
Elec. Fore./Bridge
Electrician-Logan
" Moran
Elec./Help. -Bridge
Heavy Equip. Op. -
Hanscom
Bldg. Equip. Mech.
Hanscom
Terminal Operators
Fireman Mech. -R.P.
Fireman/Fish Pier
Mechanic/Fish Pier
Eng. 2nd CL -F.P.
Eng. 3rd. CL -R.P.
Night Equip. Op. -Logan
Painter-Logan
Super. -Stat. Eng.
3rd CL Eng. -Logan
Steam Pipefitter

Administrative Asst.
 Stat. Clerk-Moran
 Billing Clerk-C.I.
 Clerk/Utility Fish Pier
 Pier Clerk/Moran
 Pier Clerk/Comm. Pier
 Pier Clerk/E.B. Pier
 Adminis. Aid/Moran
 Telephone Operator
 Mail Clerk
 Receptionist
 Clerk/Typist
 Executive Secretary
 Secretary
 Data Analyst/Bridge
 Audit Clerk/Rev.
 Payroll Clerk
 Bookkeeper
 Acct. Payroll Clerk
 File Clerk
 P.R. Clerk
 Rev. Clerk
 Inventory Control Clerk
 Acct. Clerk
 Copy Clerk
 Employment Aide

Chief Auditor
 Const. Fund Acct.
 Rev. Control Super.
 Purchasing Agent
 Mgr., Rev. Fund-Acct.
 Acct. Pay. Manager
 Staff Acct.
 Auditor
 Chief, Res. & Analysis
 Staff Asst.
 Mgr. Aviation Mrt.
 Rochester Rep.
 Staff Asst. Airport Mgr.
 Safety Co-ordinator
 Insurance Mgr.
 Noise Abate. Monitoring Super.
 Community Aff. Liaison
 Comm. Aff. R.E. Sup.
 Comm. Aff. Fld. Rep.
 Maritime Asst.
 Construction Specialist
 Field Inspector
 Planning Asst.
 Port Asst.
 Personnel Asst.
 Attorney
 Chief Legal Counsel
 Associate Counsel
 Solicitors
 Promotion Director
 Pier Supervisor/Castle Island
 Supt. Maint/Moran
 Supt. /Castle Island
 Op. Supt. /Moran
 Super. Rev. Control/Castle Island
 C & D Supt. /Moran
 Rev. Control Agent
 Project Eng.
 Airport Eng.
 Port Eng.
 Utility Eng.
 European Trade Rep.
 Washington Trade Rep.
 Mgr., N. Y. Office
 Traffic Solicitor
 Equal Opportunity Purchasing Specialist
 Publication & Research Supervisor
 Human Resource Manager
 Librarian
 Marketing Staff Assistant
 Systems Planning Analyst
 Asst. Dir., Community Affairs
 Air Cargo Marketing Rep.
 Benefits & Compensation Adminis.
 Chief, Technical Services
 Chief, Environmental Mgmt.
 Ground Trans. Planner
 General Acct.
 Compliance Analyst
 Mgmt. Purchasing Project Mgr.
 Mgr. Budget & Finance Planning
 Capital Finance Planner
 Information Specialist

Professions

Workers

rations Asst.
 al Asst.
 arch Asst.
 Manager/Acct. Payroll
 roll Supervisor
 t. Payroll Supervisor
 t. Super. Rev. Control
 ncial Analyst & Clk.
 t Analyst/Noise Mfnt.
 rations Super.

Guards - Pier & Gate
 Guard Foreman - Pier
 Asst. Fire Controlman
 Station Captain
 Boatman
 Crash Crewman

Sr. Designer
 Civil Draftsman
 Draftsman
 Mat. Lab. Supervi
 St. Technician
 Technician A
 Chief, Survey Dept
 Chief of Party
 Instrument Man
 Rodman
 Elec. Technician
 Bldg. Cont. Super.

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Utilization Analysis

With the exception of the Office, Clerical and Technician categories, protected classes were under-represented in all EEOC designated classifications. As of January, 1978, minority females and white females were either equitably represented or over-represented in the office & clerical category; In the category of technician, minority males were proportionately represented. (See Tables 1 & 2).

Further examination of Table 2 also reveals that the Authority's workforce composition is most seriously deficient in employing minority females and persons of Hispanic heritage. Minority women are represented in only 3 of the 8 EEOC categories, and Spanish-Americans represent only .3% of the Massport workforce although 3.6% of the Boston population is Spanish American.

Although it was stated in an earlier paragraph that women and minorities are under-represented in almost all EEO categories, some of these categories require additional comment particularly as the current category profile influences the setting of interim goals.

Officials & Administrators & Professionals

Women and minorities are under-represented in these two categories.

Technicians

Women are under-represented in this category: 2.8% in the Authority's workforce vs. 5.5% of population in the City of Boston. Boston SMSA statistics show that 13.7% of Technicians (except health) are female.

Protective Service Workers

Women and minorities are under-represented in this category. The current profile shows 2.2% of this category to be women and 4.3% minority. Goals have been established for both groups. Experience at Massport over the past two years shows that if the barriers are removed, increasing numbers of women are willing to accept positions in this classification. Boston SMSA statistics show that the current availability of females for this category is 6%.

Para-Professionals

Minority females and minority males are not represented in this category; therefore, goals for fiscal year '79 reflect remedial action to correct these deficiencies.

Skilled Crafts

Women are not represented at all in this category while minority males are under-represented (2.9%). The workforce participation rate of females in this category for the Boston SMSA is 5%. The disparity between minority male representation in the Massport workforce and the population statistics for the City of Boston can be attributed to two factors:

1. - relatively low turnover rates which limit opportunities for new hires
2. - the bidding/seniority provisions in collective bargaining agreements.

Service/Maintenance

Women and minorities are under-represented. Of particular concern is the degree of under-utilization of minorities and women at the higher paid positions in this category. Although this category has one of the highest attrition rates this turnover occurs primarily at the entry level positions. As with the skilled crafts, female and minority under-representation and under-utilization can be attributed to:

1. - low turnover at higher paid positions, and
2. - bidding/seniority provisions in collective bargaining agreements

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Employment Goals

In accordance with the Board Vote of November, 1976, Table 3 represents the Authority's annual interim employment goals for fiscal year 1979. These interim goals are designated to correct short-term deficiencies in addition to meeting the long-term goals of 40% female by the end of 1984 and 20% minority by the end of 1981. These goals apply to all personnel transactions including transfers and promotions:

While it is not specifically represented in Table 3 the Authority's workforce profile for 1979 should reflect an increased representation of Spanish-Americans.

The January 1979 workforce profile projects increases among affirmative action groups in the following magnitudes:

	<u>Current Profile</u> <u>Jan. 1978</u>	<u>Projected Profile</u> <u>1979</u>	<u>Net of</u> <u>Increase</u>
White females	13.9%	14.7%	.8%
Minority females	2.6%	5.8%	3.2%
Minority males	5.6%	8.7%	3.1%

Since women have been traditionally over-represented in clerical positions thereby creating an inflated profile of the extent of their participation in the workforce, the following table excludes the category of office and clerical from the calculations:

Excluding Office & Clerical

	<u>Current Profile</u> <u>Jan. 1978</u>	<u>Projected Profile</u> <u>1979</u>	<u>Net of</u> <u>Increase</u>
White females	5.0%	7.0%	2.0%
Minority females	1.8%	3.8%	3.0%
Minority males	6.2%	9.3%	3.1%

A comparison of the two preceding tables demonstrates the rationale used in establishing the Authority's goals for FY '79. Increased emphasis has been placed on employing women and specifically minority women in non-traditional occupations.

As part of the Massachusetts Port Authority's budget process each division, department and unit is setting employment goals including proposed new additions to staff. This budget process began in Feb. 1978 and will be completed in June, 1978. Although this process will not be completed in time for incorporation into this plan, as departmental goals are submitted they will be reviewed and revised by the Compliance Office in accordance with the overall objectives expressed in this plan.

The goals established here are to be operative until the Authority's members adopt new interim goals for fiscal year 1980.

1978															1979														
EEOC Categories	Current Massport Profile Jan. 78						Total	Estimated Total Job Openings 1/78 - 1/79	Employment Goals						Projected Massport Employee Profile 1/1/79	Total													
	WM	MM	Female		Total	WM			MM	Female		WM	MM	Female															
Officials & Administrators			MF	WF																									
Total %	38	3	0	3	44	4	1	1	1	1	35	4	1	4	44														
	86.4	6.8	0	6.8							79.5	9.1	2.3	9.1															
Professionals	WM	MM	Female				WM	MM	Female			WM	MM	Female															
Total %	59	4	2	9	74	5	2	1	1	1	56	5	3	10	74														
	79.7	5.4	2.7	12.2							75.7	6.7	4.1	13.5															
Technicians	WM	MM	Female				WM	MM	Female			WM	MM	Female															
Total %	31	4	0	1	36	7	3	2	1	1	27	6	1	2	36														
	86.1	11.1	0	2.8							75.0	16.7	2.8	5.6															
Protective Service	WM	MM	Female				WM	MM	Female			WM	MM	Female															
Total %	86	4	0	2	92	14	4	4	3	3	79	6	3	4	92														
	93.5	1.3	0	2.2							85.9	6.5	3.3	4.3															
Para Professionals	WM	MM	Female				WM	MM	Female			WM	MM	Female															
Total %	10	0	0	7	17	4	0	2	2	0	7	2	2	6	17														
	58.8	0	0	41.2							41.2	11.8	11.8	35.3															

TABLE 3 (CONTINUED)

DCC Categories	Current Maseport Profile Jan. 78					Enthitled Total Job Openings 1/78 - 1/79	Employment Goals					Projected Maseport Employee Profile 1/1/79					Total
	WM	MM	Female MF WF		Total		WM	MM	Female MF WF			WM	MM	Female MF WF			
leg & rical	WM	MM	Female MF WF									WM	MM	Female MF WF			
total	13	2	13	66	94	17	4	2	5	6		13	4	17	60	94	
	13.8	2.1	13.4	70.2								13.8	4.3	18.1	63.1		
illed at	WM	MM	Female MF WF				WM	MM	Female MF WF			WM	MM	Female MF WF		103	
Total	100	3	0	0	103	9	3	4	1	1		94	7	1	1		
%	97.1	2.9	0	0								91.3	6.8	1.0	1.0		
ervice maintenance	WM	MM	Female MF WF				WM	MM	Female MF WF			WM	MM	Female MF WF		233	
Total	203	19	3	8	233	47	16	10	11	10		180	26	12	15		
%	87.1	8.2	1.3	3.4								77.2	11.2	5.2	6.4		
Total All Categories	WM	MM	Female MF WF				WM	MM	Female MF WF			WM	MM	Female MF WF		693	
%	540	39	18	96	693	107	33	26	25	23		491	60	40	102		
	77.9	5.6	2.6	13.9			30.8	24.3	23.4	21.5		70.9	8.7	5.8	14.7		

MANAGER, Ground Agents.
SCEVINGEN

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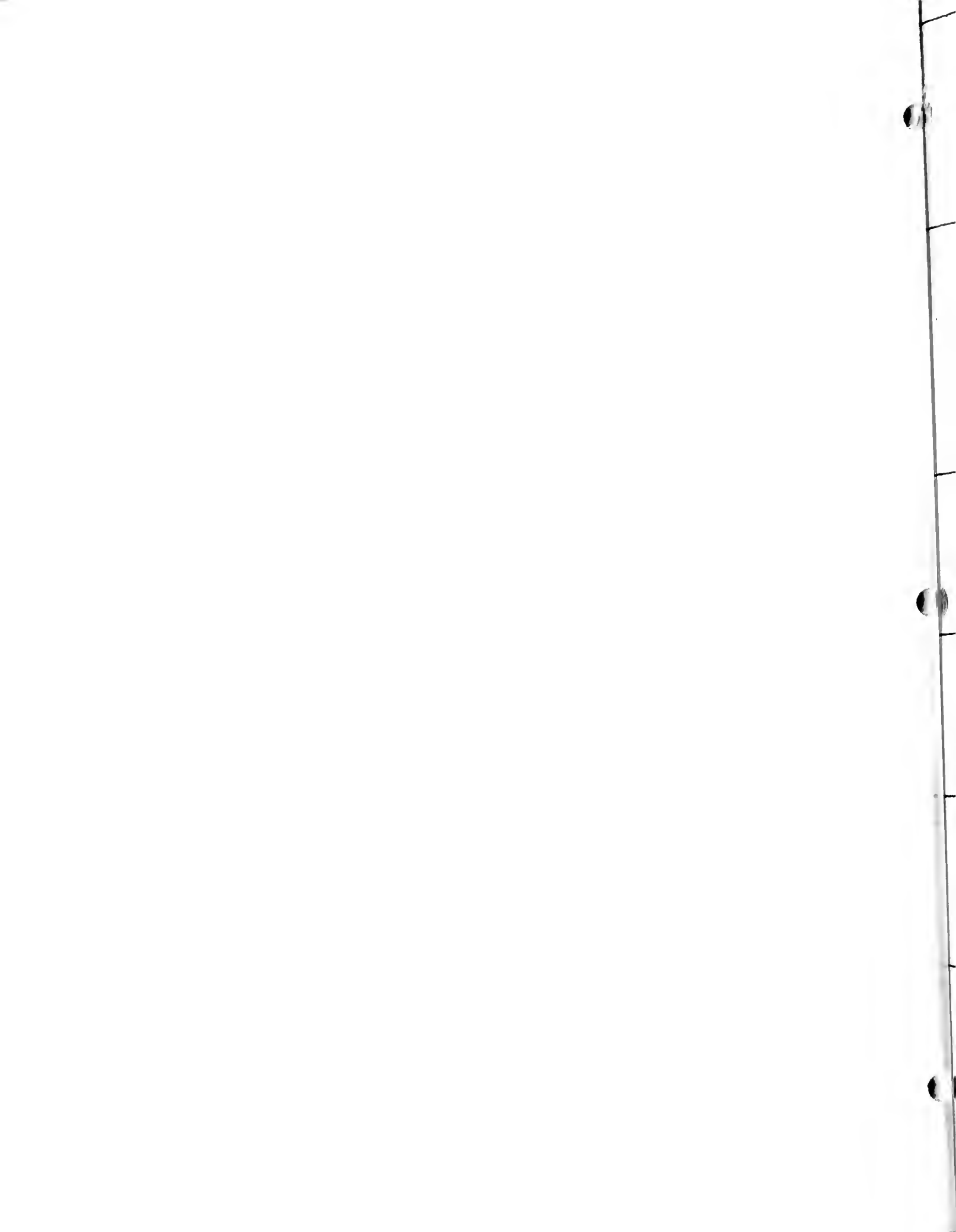
UNIT	J O B C A T E G O R Y	TOTAL # OF EMPLOYEES as of 1/78.	M A L E		F E M A L E	
			Mln.	Non-Mln	Mln	Non-Mln
ADMINISTRATION		346	18	296	2	30
	Airport Manager	13	-	5	-	8
	Business Manager	1	-	1	-	-
	Staff Assistant to Airport Manager	1	-	1	-	-
	Staff Assistant	-	-	-	-	-
	Chief, Research & Anal	1	-	1	-	-
	Chief, Tech. Services	1	-	1	-	-
	Secretary A	5	-	-	-	5
	Secretary B	3	-	-	-	3
Interpreters Prog.		2	-	1	-	1
	Interpreter Supervisor	1	-	-	-	1
	Asst. Interpreter Sup.	1	-	1	-	-
Tours		10	-	1	-	9
	Chief, Public Service Representative	1	-	-	-	1
	Public Service Super.	1	-	-	-	1
	Tour Guides	8	-	1	-	7
Crash Crew		48	-	48	-	-
	Chief	1	-	1	-	-
	Asst. to the Chief	1	-	1	-	-
	Asst. Fire Controlman	5	-	5	-	-
	Hostman	6	-	6	-	-
	Station Capt.	4	-	4	-	-
	Crash Crewman	31	-	31	-	-
CTU		40	11	23	2	4
	Manager, Ground Trans. Services	1	-	1	-	-

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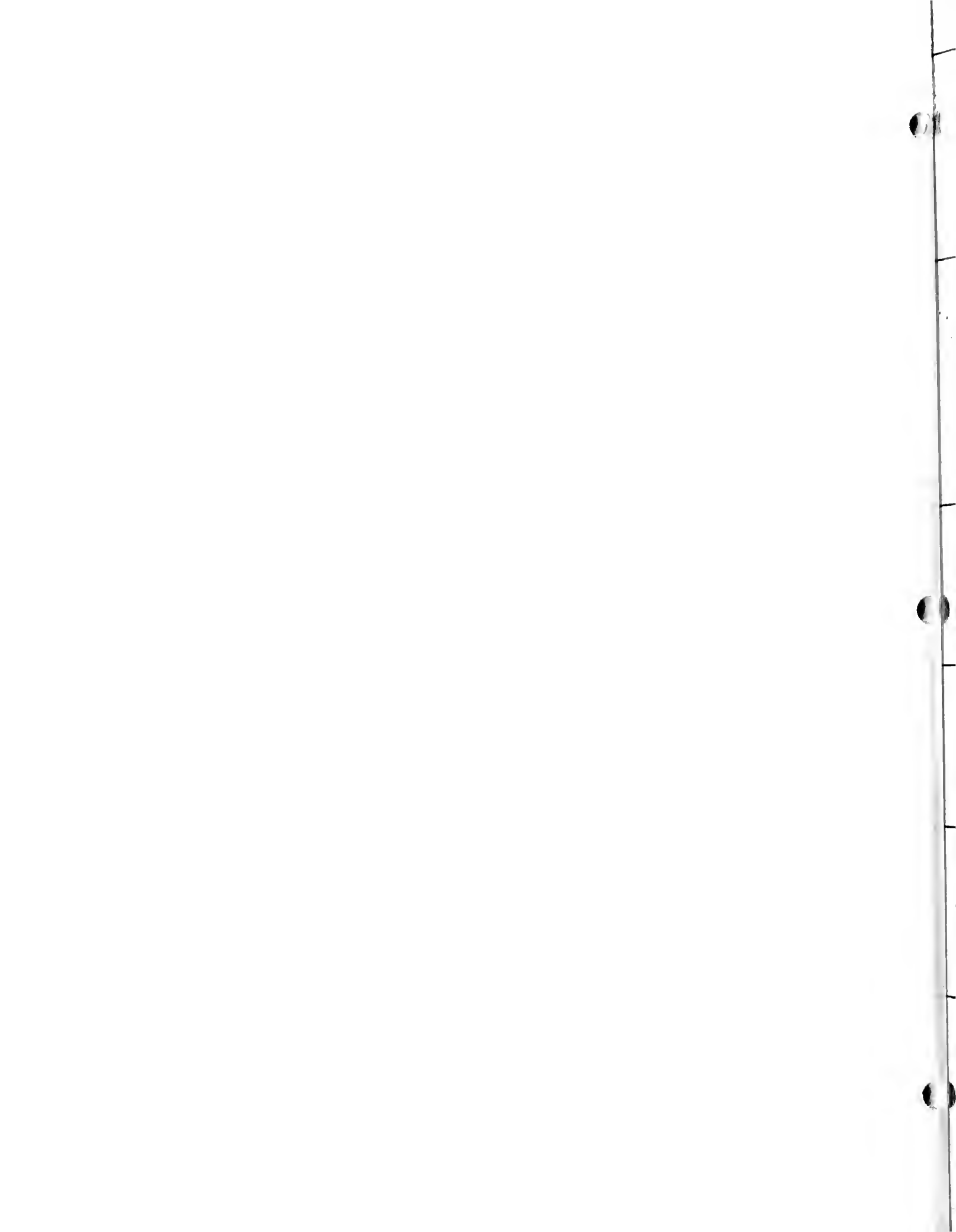
UNIT	JOB CATEGORY	TOTAL # OF EMPLOYEES as of 1/78		M A L E		F E M A L E	
		Min.	Non-Min	Min.	Non-Min.	Min.	Non-Min.
Field Maintenance	Fld. Maintenance Mgr.	1	1	-	-	-	-
	Fld. Maintenance Super	3	3	-	-	-	-
	Tour Bus Driver	1	1	-	-	-	-
	Garage Master.	1	1	-	-	-	-
	Sign Painter	1	1	-	-	-	-
	Motor Equipment Rep.	1	1	-	-	-	-
	Helper	1	1	-	-	-	-
	Motor Equipment Rep.	4	4	-	-	-	-
	Motor Equipment Rep.	1	1	-	-	-	-
	Foreman	2	2	-	-	-	-
	Gen. Maint. Foreman	22	22	-	-	-	-
	Skilled Laborer	2	2	-	-	-	-
	Working Foreman	8	8	-	-	-	-
	Heavy Equip. Operator	1	1	-	-	-	-
	Clerk/Typist	1	1	-	-	-	-
Building Maint.	Working Fore.Sign Shop	72	66	4	2	-	-
	Bldg. Maintenance Fore.	1	1	-	-	-	-
	Bldg. Maint. Man A	1	1	-	-	-	-
	Bldg. Maint. Man B	8	8	-	-	-	-
	Mason A	1	1	-	-	-	-
	Mason B	1	1	-	-	-	-
	Plumber	2	2	-	-	-	-
	Welder	1	1	-	-	-	-
	Roofer/Spray Painter	2	2	-	-	-	-
	Janitor	3	3	-	-	-	-
	2nd Class Stnt. Paq.	5	5	-	-	-	-
	Steam Fitterman	7	6	1	-	-	-
	Steam Pipefitter	1	1	-	-	-	-
	Electrician	1	1	-	-	-	-
	Carp./Meter Rep.	2	2	-	-	-	-
	Carp./Locksmith A	1	1	-	-	-	-
	Carp./Locksmith B	1	1	-	-	-	-

CITY	UNIT	JOB CATEGORY	TOTAL # OF EMPLOYEES as of 1-78	M A L E		F E M A L E	
				Min.	N. Min.	Min.	N. Min.
CAN	Building Maint. (continued)	HVAC Mechanic	3	-	3	-	-
		HVAC Trainee	1	-	1	-	-
		Electrician	12	2	10	-	-
		Elect. Working Foreman	1	-	1	-	-
		HVAC Foreman	1	-	1	-	-
		Working Foreman	2	-	2	-	-
		Sr. Maint. Foreman	1	-	1	-	-
		Bldg. Control Super.	5	1	3	-	1
		Asst. Bldg. Cont. Mgr.	1	-	1	-	-
		Bldg. Maint. Mgr.	1	-	1	-	-
		Super. Elect. Dept.	1	-	1	-	-
		Mechanical Super.	1	-	1	-	-
		Heating Plant Supt.	1	-	1	-	-
		Clerk/Typist	1	-	-	-	1
		Operations	23	1	21	-	1
	Parking Garage	Gate Guard	11	1	10	-	-
		Operations Supervisor	5	-	4	-	1
		Operations Asst.	6	-	6	-	-
		Operations Manager	1	-	1	-	-
			81	2	78	-	1
		Manager, Parking Facil.	1	-	1	-	-
		Cashier (P.T.)	30	1	29	-	-
		Cashier (P.T.)	10	-	10	-	-
		Attendant (P.T.)	19	1	18	-	-
		Attendant (P.T.)	13	-	13	-	-
		Supervisors	7	-	7	-	-
		Secretary B	1	-	-	-	1

CITY	UNIT	JOB CATEGORY	TOTAL # OF EMPLOYEES as of 1/78	MALE		FEMALE	
				Min.	N. Min.	Min.	N. Min.
CAN cont.)	Noise Management		8	-	5	-	3
		Noise Management Officer	1	-	-	-	1
		Compliance Analyst	1	-	1	-	-
		Data Analyst	1	-	-	-	1
		Noise Monitoring Super.	1	-	1	-	-
		Noise Monitoring Tech.	3	-	3	-	-
		Secy. A	1	-	-	-	1



UNIT	JOB CATEGORY	TOTAL # OF EMPLOYEES as of 1/78	MALE		FEMALE	
			Mln.	Non-Mln	Mln.	N. Mln.
	Manager/ Tobin Bridge/ Risk Management	1	-	1	-	-
	Asst. to Dir., Risk Management	1	-	1	-	-
	Secretary A	1	-	-	-	1
	Toll Officer (F.T.)	38	1	34	1	2
	Toll Officer (P.T.)	5	2	3	-	-
	Toll Sgt.	8	1	7	-	-
	Toll Lt.	2	-	2	-	-
	Toll Capt.	1	-	1	-	-
	Skilled Laborer	10	1	9	-	-
	Hvy. Equip. Operator	2	-	2	-	-
	Motor Equip. Rep.	1	-	1	-	-
	Motor Equip. Rep. Helper	1	-	1	-	-
	Electrician	1	-	1	-	-
	Elect. Foreman	1	-	1	-	-
	Gen. Maint. Foreman	1	-	1	-	-
	Bldg. Maint. Foreman	1	-	1	-	-
	Safety Coordinator	1	-	1	-	-
	Data Analyst	1	-	1	-	-



CITY	UNIT	JOB CATEGORY	TOTAL # OF EMPLOYEES as of 1/78	MALE		FEMALE	
				Min.	Non-Min	Min.	Non-Min
OH			13	1	11	-	1
		Manager	1	-	1	-	-
		Clerk/Typist	1	-	1	-	-
		Skilled Laborer	3	-	3	-	-
		Bldg. Equip. Mechanic	1	-	1	-	-
		Janitor	3	1	2	-	-
		Hvy. Equip. Operator	2	-	2	-	-
		Gen. Maint. Foreman	1	-	1	-	-
		Ops. Asst.	1	-	1	-	-

SOLIGALLOP SEAE ARRE.
MORTSEUM SEAE ARRE.

UNIT	JOB CATEGORY	TOTAL # OF EMPLOYEES as of 1-78	M A L E		F E M A L E	
			Min.	N. Min.	Min.	Non-M.
		169	11	85	15	58
Executive/ Administration	Executive Director	1	-	1	-	-
	Secy./Treasurer	1	1	-	-	-
	Dir. of Admin.	1	-	1	-	-
	Asst. Secy./Treas.	2	-	-	1	1
	Secy. AA	1	-	-	-	-
	Secy. A	1	-	-	-	1
	Secy. B	1	-	-	-	1
Budget & Finance	Chief, Budgeting & Financial Analysts	1	-	1	-	-
	Mgt., Budgeting & Financial Planning	2	-	2	-	-
	Capital Finance Plan.	1	-	1	-	-
	Washington Rep.	1	-	1	-	-
	Financial Analyst Ck.	-	-	-	-	-
	Secy. A	1	-	-	-	1
	Secy. B	1	-	-	1	-
Marketing	Director of Marketing	16	1	9	1	5
	Director of Develop.	1	-	1	-	-
	Mgt. Seaport Sales	1	-	1	-	-
	Researcher (P.E.)	1	-	-	-	1
	Air Cargo Mktg. Rep.	1	1	-	-	-
	Mgt. Aviation Mktg.	1	-	1	-	-
	Mgt. Rochester Office	1	-	1	-	-
	Mgt. N.Y. Office	1	-	1	-	-
	European Trade Rep.	1	-	1	-	-
	Trade Rep.	1	-	1	-	-
	Solicitor	1	-	1	-	-
	Marketing Staff Asst.	1	-	1	-	1

LITY	UNIT	JOB CATEGORY	TOTAL # OF EMPLOYEES as of 1-78.	M A L E		F F M A L E	
				Min.	N. Min.	Min.	N. Min.
ont.)	Office Management	Office Manager. Word Proc. Super. Word Proc. Operator Telephone Oper. Super. Telephone Operator Sec. B Mess./Comm. Clerk Inventory Control Clk. Copy Clerk Receptionist Librarian	14 1 1 1 1 1 1 3 1 1 2 1	1 - - - - - - 1 - - - -	2 - - - - - - 1 - 1 - -	3 - - - - 1 1 - - - 1 -	8 1 1 1 1 - - 1 1 - 1 1
	Personnel	Director of Personnel Benefits & Compensation Adm'n. Human Resources Mgr. Sec. A Sec. B	5 1 1 1 1	- - - - -	1 1 - - -	- - - - -	4 - 1 1 1
	Legal	Chief, Legal Counsel Assoc. Legal Counsel Attorney Staff Attorney Asst. Staff Attorney Legal Asst. (P.T) Secy. A Secy. B	9 1 1 1 2 1 2 1 1	- - - - - - - - -	4 1 1 1 - - - - -	- - - - - - - - -	5 - - - 1 - 1 2 1

LITY	UNIT	JOB CATEGORY	TOTAL # OF EMPLOYEES as of 1-78	M A L E		F E M A L E	
				Min.	N. Min.	Min.	N. Min.
cont.)	Engineering	Director, Engineering	1	-	1	-	-
		Chief Engineer	1	-	1	-	-
		Struct. Eng. Specialist	1	-	1	-	-
		Construction Spec.	1	-	1	-	-
		Electro/Mech. Eng.	2	-	2	-	-
		Port Engineer	1	-	1	-	-
		Project Engineer	2	-	2	-	-
		Airport Engineer	1	-	1	-	1
		Utilities Engineer	2	-	2	-	-
		Field Inspector	1	-	1	-	-
		Supervisor, Survey Crew	1	-	1	-	-
		Chief of Party	3	-	3	-	-
		Instrument Man	3	-	3	-	-
		Rodman	4	-	4	-	-
		Super., Materials Lab	1	-	1	-	-
		Sr. Technician	3	-	3	-	-
		Tech. A	1	-	1	-	-
		Supt. of P.	1	-	1	-	-
		Sr. Designer	1	-	1	-	-
		Civil Draftsman	1	-	1	-	-
		Draftsman	2	-	2	-	-
		Sec. A	3	-	3	-	3
		Sec. B	1	-	1	-	1
		Draftsman (P.E.)	1	-	1	-	1
		Meter Readers	2	-	2	-	2
		Compliance Officer	1	-	1	-	-
		Sec. A (P.T.)	1	-	1	-	1
		Sec. A	1	-	1	-	1
		Eq. Oppor.Pur.Spec.	1	-	1	-	1

REV. E. AND J. CO.
Co-op Acct. (p. l.)

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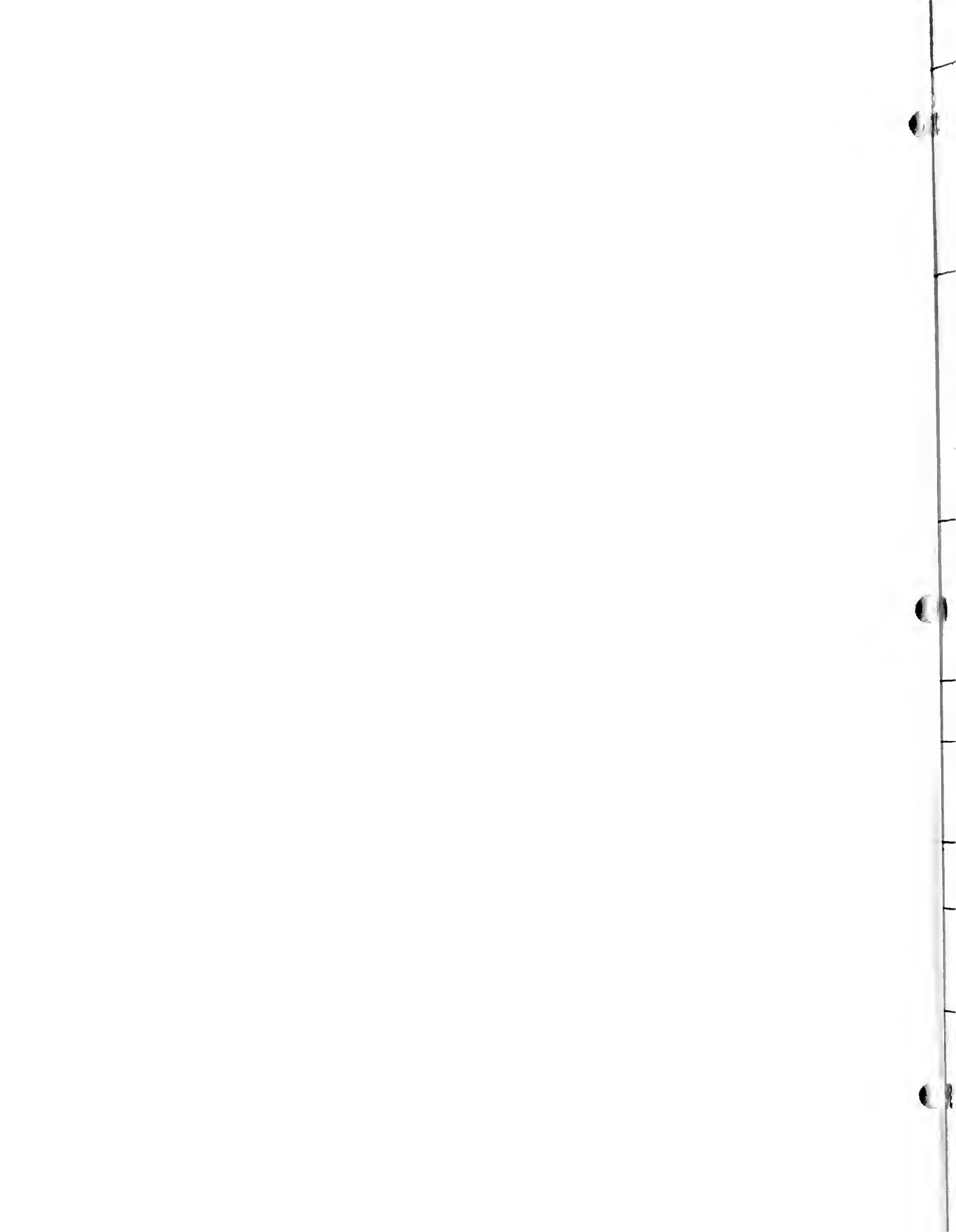
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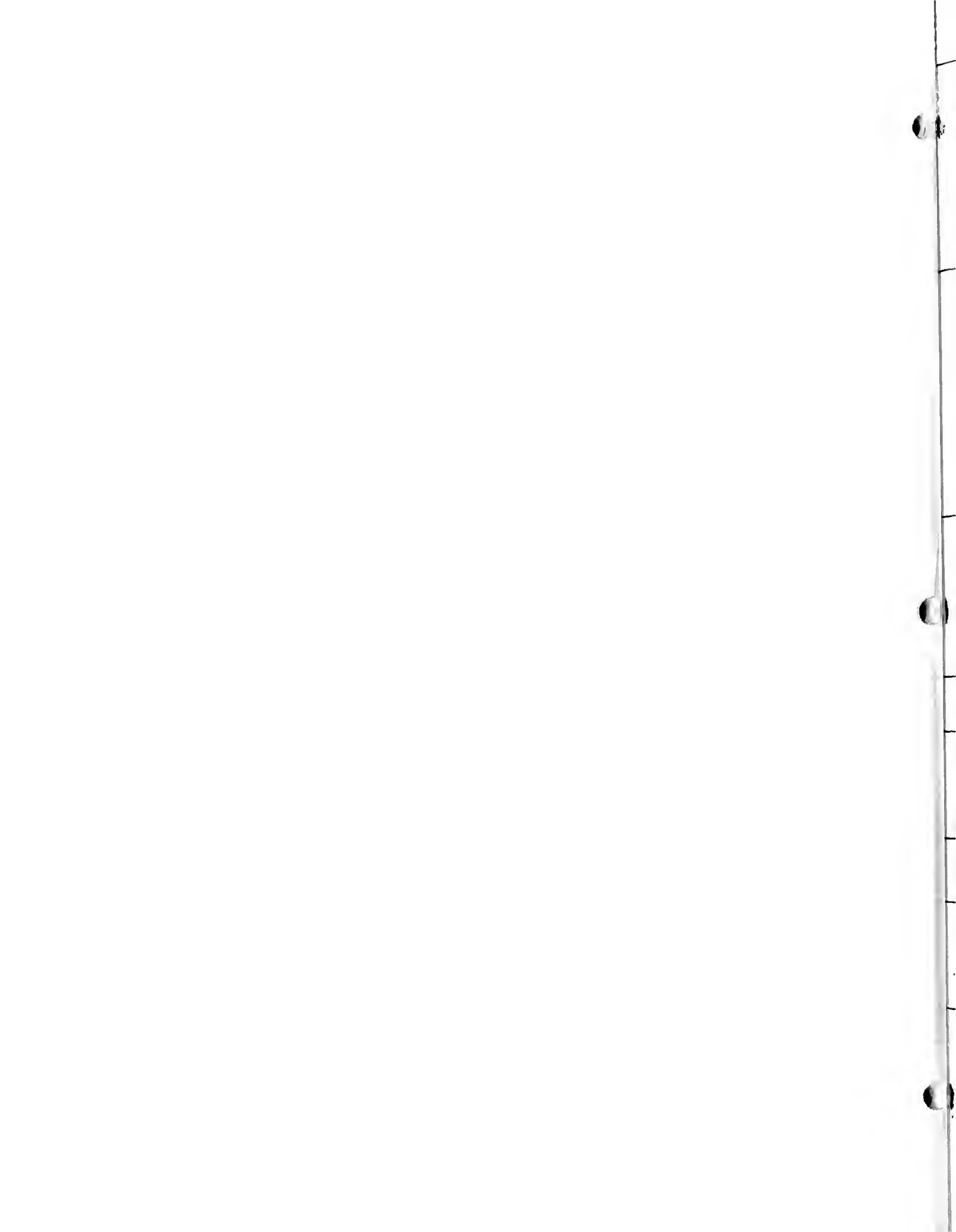
UNIT	JOB CATEGORY	TOTAL # OF EMPLOYEES as of 1/78	MALE		FEMALE	
			Min.	Non-Min.	Min.	Non-Min.
Accounting	Comptroller	40	2	19	6	13
	Deputy Comptroller	1	-	1	-	-
	Asst. Comptroller	1	-	1	-	-
	Payroll Supervisor	1	1	-	-	-
	Asst. Payroll Super.	1	-	-	-	1
	Payroll Clerk	2	-	-	-	1
	Revenue Control Super.	1	-	1	-	1
	Electronic Technician	2	1	1	-	-
	Super, Electronic Tech	1	-	1	-	-
	Revenue Audit Clerk/ Parking Garage	1	-	-	-	1
	Revenue Audit Analyst/ Parking Garage	1	-	-	-	1
	Clerk/Parking	1	-	-	-	-
	Chief Auditor	1	-	1	-	-
	Auditor	3	-	2	1	-
	Mgr. Purchasing	1	-	1	-	-
	Mgr. Revenue Fund	1	-	1	-	-
	Super., Rev. Control	1	-	1	-	-
	Acct.	1	-	1	-	-
	Mgr. Acct. Payable	1	-	1	-	-
	Asst. Mgr. Acct. Payable	1	-	1	-	-
	Acct. Payable Clk (PT)	1	-	-	-	1
	Acct. Payable Clk (PT)	1	-	-	-	1
	Constr. Fund Acct.	1	-	-	1	1
	Bookkeeper	2	-	1	-	-
	Secy. A	1	-	-	-	1
	Secy. B	2	-	-	-	2
	Clerk	2	-	-	1	1
	Receptionist	1	-	-	1	-
	File Clerk	1	-	-	1	-
	Rev. Fund Acct.	1	-	1	-	-
	Co-op Acct. (p.t.)	3	-	3	-	-



UNIT	JOB CATEGORY	TOTAL # OF EMPLOYEES as of 1/78	MALE		FEMALE	
			Min.	Non-Min	Min.	Non-Min.
Public Affairs	Director of Pub. Affs.	16	-	9	2	5.
	Asst. Dir. of P.R.	1	-	1	-	-
	Manager, Logan P.R.	1	-	1	-	-
	Dir. of Comm. Affs.	1	-	1	-	-
	Asst. Dir. of Comm. Affairs	1	-	-	-	-
	Mgr. Special Programs	1	-	-	-	1
	Super, R.E.	1	-	1	-	-
	Staff Asst.	1	-	1	-	-
	Field Rep.	1	-	1	-	-
	Real Estate Asst.	1	-	1	-	1
	Comm. Aff. P.T.	1	-	1	-	-
	Sec.	3	-	-	2	1
	Admin. Asst.	1	-	-	-	1
	Publ. & Res. Super.	1	-	-	-	1
	7	1	1	-	5	
	Planning	Dir., of Planning & Research	1	-	-	-
Chief, Environmental Management		1	-	1	-	-
Planning Asst.		1	-	-	-	1
Research Asst.		1	-	-	-	1
Sec. A		2	-	-	-	2
Property Mgmt. & R. Estate Dev.	Systems Plann. Analy.	1	1	-	-	-
	Director	3	-	1	1	1
	Fin. Analyst Clerk	1	-	1	-	-
	Sec.	1	-	-	1	1
	1	-	-	1	-	

1st Class Fireman

FACILITY	UNIT	JOB CATEGORY	TOTAL # OF EMPLOYEES as of 1/78	MALE		FEMALE	
				Min.	Non-Min	Min.	Non-Min.
PORT		Port Director	88	4	80	-	4
		Asst. to Port Dir.	-	-	-	-	-
		Port Assistant	1	-	1	-	-
		Maritime Assistant	-	-	-	-	-
		Sec. A	1	-	1	-	-
		Sec. B	1	-	-	-	1
		Port Administrator	1	-	1	-	-
		Guard	31	2	29	-	2
		Guard Foreman	1	-	1	-	-
		Terminal Operator	12	-	12	-	-
		Pier Clerk	1	-	1	-	-
		Clerk/Utility	1	-	1	-	-
		Mechanic	1	-	1	-	-
		Maint. Man	2	-	2	-	-
		Wharf & Weigh Man	1	1	1	-	-
		Fireman/Mechanic	1	-	1	-	-
		Fireman -2	3	-	3	-	-
		2nd Class Stat. Eng.	1	-	1	-	-
		Electrician	6	-	6	-	-
		Electrician Foreman	1	-	1	-	-
		Pier Foreman	3	-	3	-	-
		Cont. Term. Supt.	1	-	1	-	-
		Ops. Supt.	1	-	1	-	-
		C & C Shed Supt.	1	-	1	-	-
		Shipping Supt.	1	-	1	-	-
		Statistical Clerk	1	-	1	-	-
		General Supt.	1	-	1	-	-
		Admin Aide	2	1	1	-	-
		Supt.	1	-	1	-	-
		Supt. of Terminal	1	-	1	-	-
		Traffic Selector	1	-	1	-	-
		Port Promotion	1	-	1	-	-
		1st Class Fireman	1	-	1	-	-



CITY	UNIT	JOB CATEGORY	TOTAL # OF EMPLOYEES as of 1/78	MALE		FEMALE	
				Min.	Non-Min.	Min.	Non-Min.
PORT cont.)							
		Pier Super.	1	-	1	-	-
		Foreman, Castle Island	1	-	1	-	-
		Admin. Aid B	-	-	-	-	-
		Billing Clerk	1	-	1	-	-
		Clerk	1	-	1	-	-
		Supt., Fish Pier	1	-	1	-	-

Section VI
Equal Economic Opportunities

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Providing Equal Economic Opportunity

a It is the policy of the Massachusetts Port Authority to increase the level and quality of participation by minorities and women in its economic opportunities. This will be achieved by using relevant equal opportunity and affirmative action guidelines and provisions established for state agencies by the federal government, the Commonwealth of Massachusetts, and the Authority as they are presently in force as may from time to time be promulgated or amended. The Authority requires an enforceable provision of contract or lease, equivalent affirmative action programs of its contractors and lessees and as a condition of bid or sale in purchasing goods and services.

Lessees and Concessionaires

The goal for 1978 is to identify minority investors and operators for no less than major concessions at Logan Airport. The Authority will continue to make substantial affirmative action efforts to contact and encourage qualified minority and female entrepreneurs to compete for leases and concessions and will grant at least equal consideration with other contractors. The target goal is a minimum of 20 percent of the overall dollar volume of the Authority's leases and concessions. However, since one of the Authority's major tenants, the airlines and auto rental agencies are 50 percent female or minority-owned, a larger percentage of the non-airline and non-auto rental business shall be set aside for negotiated contracts with minority and female owned or operated businesses. Interim determinations of this proportion will be based on a study of what proportion of the Authority's dollar volume is made up of non-airline, or auto rental business, and lease and concession availability. The lessees and concessionaires and the Authority's major long-term tenants are encouraged to adopt similar programs.

Goods & Services

A substantial proportion of Massport's contracts and purchase orders for goods and services will be let to minority and female contractors. The goal is a minimum of 20% of the dollar volume of contracts and purchase orders for goods and services. This proportion excludes the cost of services and goods such as utilities, telephone, stevedoring services, etc., where no identifiable minority or female capabilities exist at present.

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Goods & Services (cont'd).

The Authority's purchasing staff, with the assistance of the Equal Opportunity Purchasing Specialist hired 10/77, has identified those categories of goods and services which we are aware of minority or female capabilities. As a result of this process the Authority's goal for 1978 is \$354,000. As new capabilities are identified, they are added to bidding lists and this information is forwarded to the appropriate staff members.

In an effort to maximize the participation of minority and female firms in our purchasing activities the staff has been utilizing the following types of procedures:

1. - selective set-asides for minority bidders
2. - direct negotiation
3. - joint ventures between minority and non-minority firms

As part of its effort to increase and stay abreast of development in the minority business sector, the Authority has become a member of the New England Minority Purchasing Council. Activities in the Council include the attendance of the Equal Opportunity Purchasing Specialist and appropriate staff members, at minority exhibitions, minority matchmaker programs, and periodic seminars. The Equal Opportunity Purchasing Specialist and other staff involved in purchasing will utilize minority business data and listings of the New England Minority Purchasing Council to supplement Massport's listings and data.

The Authority will continue to utilize local and regional minority technical assistance groups as additional sources of information and identification of minority business capabilities. Technical assistance groups include, but are not limited to:

1. - Small Business Development Corporation
15 Court Street
Boston, Mass. 02119
2. - State Office of Minority Business Assistance
Executive Office of Communities & Development
100 Cambridge Street - 13th floor
Boston, Mass. 02202
3. - Office of Minority Business Enterprise
Regional Office,
441 Stuart Street - 10th floor
Boston, Mass. 02116
4. - Nelson Peters & Associates
89 Broad Street
Boston, Mass.
5. - Lewis H. Latimer Foundation
133 Mt. Auburn Street
Cambridge, Mass. 02138

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In addition, language has been developed by the Compliance Office which will be used as a condition of bid or sale in which the bidder or vendor must:

1. - Attest to a non-discriminatory employment policy at all job levels and files a breakdown of its employees by race and sex at all job levels. This profile must meet the standards of the affirmative action policy set forth by the Massachusetts Port Authority and reflect the percentages recommended by the Massachusetts Commission Against Discrimination for female and minority employment for Massachusetts cities and towns. The applicable percentages will depend on the location (s) of the vendor's place of business. These standards will become a routine part of the specifications for every contract or purchase order for goods and services.

If the vendor's profile does not meet the standards set forth by the Authority's Affirmative Action Program and the Massachusetts Commission Against Discrimination the vendor or bidder must:

2. - Submit to the Authority an affirmative action plan which meets the standards set forth by the Massachusetts Port Authority, consistent with the minimum minority and female percentages applied by the Massachusetts Commission Against Discrimination for the city of Boston and other cities and towns of the Commonwealth. The bidder or vendor must demonstrate that every possible measure has been and shall be made to eliminate any discriminatory barriers in terms and conditions of employment on the grounds of race, color, religion, creed, national origin, age or sex and to eliminate and remedy any effects of such discrimination in the past. Such affirmative action shall entail positive and aggressive measures to ensure equal opportunity in hiring and all other terms and conditions of employment. Bidders and vendors will be notified that their performance under this condition of bid or sale will receive major consideration in Massport's selection of vendor or contractor.

C. Construction Contracts

As required by Administrative Bulletin 75-14, every construction contract including maintenance and repair work and other labor intensive contracts let by Massport, or by any of its contractors, lessees or concessionaires will be required to include an equivalent version of the Commonwealth's Supplemental Equal Employment Opportunity Anti-Discrimination and Affirmative Action Program as approved by the Massachusetts Commission Against Discrimination.

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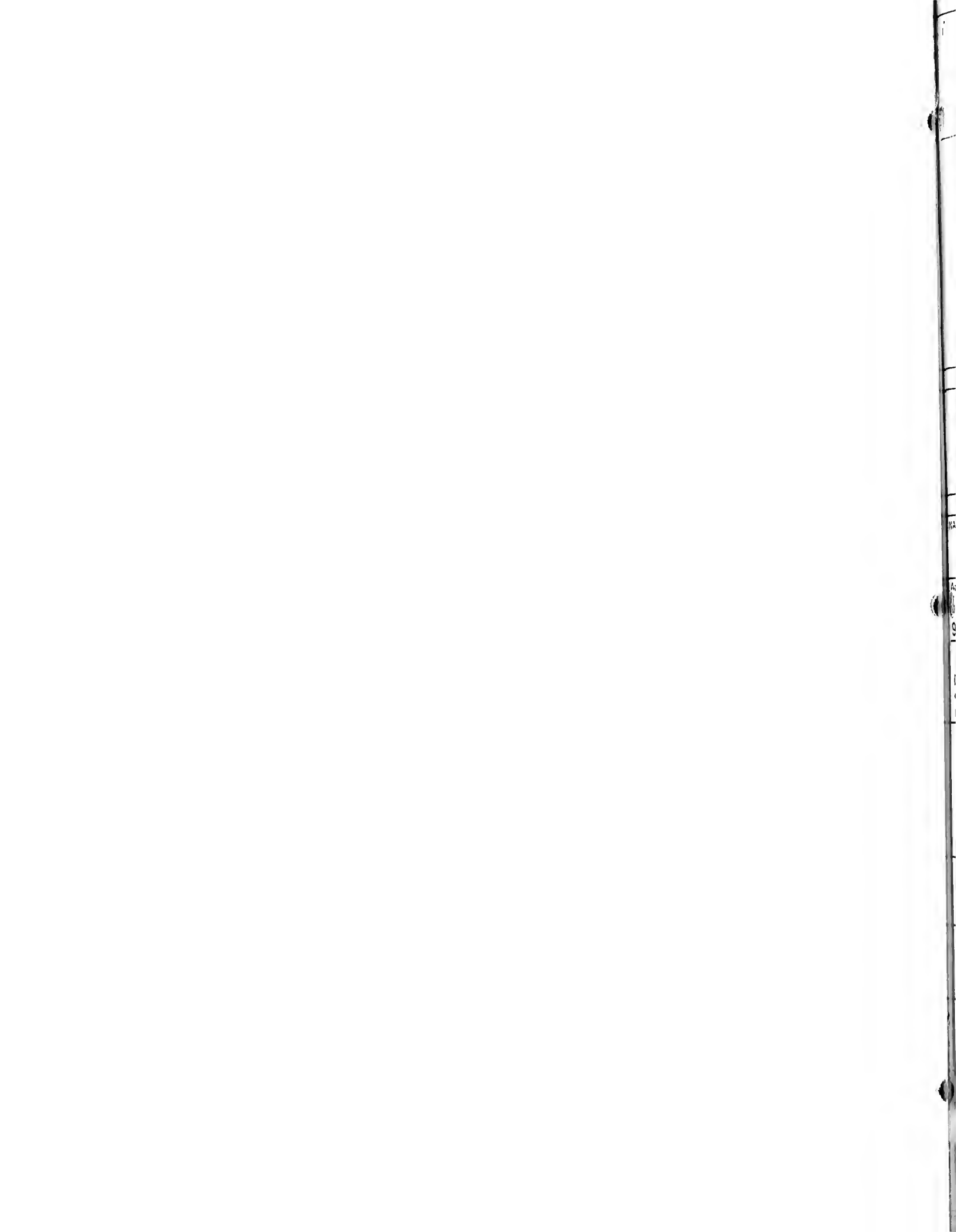
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The Authority has a goal of not less than 20% ratio of minority employee person-hours to total person-hours in each job category based on the percentage of minority residents in the population of the City of Boston plus the neighboring impacted communities of Chelsea, Revere and Winthrop. However, the minority utilization requirement is 10% in conformance with the Commonwealth's formula.

The Authority is maintaining a list of qualified minority and female contractors, with constant updating. Efforts to assure the involvement of minority and female contractors consists of clauses in selected contracts which require minority/female contractor participation. Such clauses require a minimum standard for minority and/or female contracting involvement. The identification of the specific contracting and sub-contracting opportunities will be consistent with the capabilities and levels of competence of the female and minority contractors available to the Authority through its contacts and direct experience.

In March of 1978, the U.S. Department of Transportation issued DOT Order No. 4000.7A concerning the effective implementation and enforcement of minority business enterprise programs. As part of our efforts to implement equal opportunity and affirmative action policies that will be compatible with this order, the Authority is establishing an advisory committee to assist in the development of contracting goals, procedures, and appropriate contract language. The Committee will be composed of Massport staff as well as representatives from public and private organizations and agencies at the Federal, State and Local level.



EQUAL EMPLOYMENT OPPORTUNITY COMMISSION STATE AND LOCAL GOVERNMENT INFORMATION (EEO-4)

EXCLUDE SCHOOL SYSTEMS AND EDUCATIONAL INSTITUTIONS
(Read attached instructions prior to completing this form)

Supplies of
GPO
5 10-511 12-725-
17-425 12-31-73

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A. TYPE OF GOVERNMENT (Check one box only)

- ☐ 1. State ☐ 2. County ☐ 3. City ☐ 4. Township ☐ 5. Special district
☒ 6. Other (Specify): Political Sub-Division

B. IDENTIFICATION

NAME OF POLITICAL JURISDICTION (If same as label, skip to Item C)

EEO-4
USE
ONLY

Address - Number and Street

CITY/TOWN

COUNTY

STATE, ZIP

99 High Street

Boston

Suffolk

MA 02110

C. FUNCTION

(Check one box to indicate the function for which this form is being submitted. Data should be reported for all departments and agencies in your government covered by the function indicated. If you cannot supply the data for every agency within the function, please attach a list showing name and address of agencies whose data are not included.)

1. FINANCIAL ADMINISTRATION. Tax assessing, tax billing and collection, budgeting, purchasing, financial accounting and similar financial administration carried on by a treasurer's auditor's or comptroller's office and

GENERAL CONTROL. Duties usually performed by boards of supervisors or commissioners, central administrative offices and agencies, central personnel or planning agencies, all judicial offices and employees (judges, magistrates, bailiffs, etc.)

2. STREETS AND HIGHWAYS. Maintenance, repair, construction and administration of streets, alleys, sidewalks, roads, highways and bridges

3. PUBLIC WELFARE. Maintenance of homes and other institutions for the needy, administration of public assistance (Hospitals and sanatoriums should be reported as item 7.)

4. POLICE PROTECTION. Duties of a police department, sheriff's, constable's, coroner's office, etc., including technical and clerical employees engaged in police activities

5. FIRE PROTECTION. Duties of the uniformed fire force and clerical employees (Report any forest fire protection activities as item 6.)

6. NATURAL RESOURCES. Agriculture, forestry, forest fire protection, irrigation drainage, flood control, etc., and

PARKS AND RECREATION. Provision, maintenance and operation of parks, playgrounds, swimming pools, auditoriums, museums, etc., etc.

8. HEALTH. Provision of public health services, outpatient clinics, visiting nurses, food and sanitary inspections, mental health, etc.

9. HOUSING. Code enforcement, low rent public housing, law housing, ordinance enforcement, housing for elderly, housing rehabilitation, rent control.

10. COMMUNITY DEVELOPMENT. Planning, zoning, land development, open space beautification, preservation.

11. CORRECTIONS. Jails, reformatories, detention homes, half-way houses, prisons, parole and probation activities.

12. UTILITIES AND TRANSPORTATION. Includes water supply, electric power, transit, gas, airports, water transportation and terminals.

13. SANITATION AND SEWAGE. Street cleaning, garbage and refuse collection and disposal. Provision, maintenance and operation of sanitary and storm sewer systems and sewage disposal plants.

14. EMPLOYMENT SECURITY

15. OTHER (Specify on Page Four)

1. FULL TIME EMPLOYEES (Temporary employees not included).

ANNUAL SALARY (in thousands, 1000)	TOTAL (NUMBER EX) A	MALE					FEMALE				
		NON HISPANIC ORIGIN		HISPANIC ORIGIN D	ASIAN OR PACIFIC ISLANDER E	AMERICAN INDIAN OR ALASKAN NATIVE F	NON HISPANIC ORIGIN		HISPANIC ORIGIN I	ASIAN OR PACIFIC ISLANDER J	AMERICAN INDIAN OR ALASKAN NATIVE K
		WHITE B	BLACK C				WHITE G	BLACK H			
1 0139											
2 4059											
3 6079											
4 8099											
5 100129											
6 130159	1	0	0	0	0	0	1	0	0	0	0
7 160249	16	15	1	0	0	0	0	0	0	0	0
8 250 PLUS	29	25	2	0	0	0	2	0	0	0	0
9 0139											
10 4059											
11 6079											
12 8099											
13 100129	10	7	0	1	0	0	1	1	0	0	0
14 130159	11	11	0	0	0	0	0	0	0	0	0
15 160249	47	37	2	0	1	0	7	0	0	0	0
16 250 PLUS	5	5	0	0	0	0	0	0	0	0	0
17 0139											
18 4059											
19 6079											
20 8099	5	4	1	0	0	0	0	0	0	0	0
21 100129	15	12	3	0	0	0	0	0	0	0	0
22 130159	10	8	1	0	0	0	1	0	0	0	0
23 160249	6	6	0	0	0	0	0	0	0	0	0
24 250 PLUS											
25 0139											
26 4059											
27 6079											
28 8099	2	2	0	0	0	0	0	0	0	0	0
29 100129	42	39	2	0	0	0	1	0	0	0	0
30 130159	30	30	0	0	0	0	0	0	0	0	0
31 160249	15	15	0	0	0	0	0	0	0	0	0
32 250 PLUS											
33 0139											
34 4059											
35 6079											
36 8099	6	2	0	0	0	0	4	0	0	0	0
37 100129	9	7	0	0	0	0	2	0	0	0	0
38 130159	1	1	0	0	0	0	0	0	0	0	0
39 160249	1	0	0	0	0	0	1	0	0	0	0
40 250 PLUS											
41 0139											
42 4059											
43 6079	25	3	0	0	0	0	15	5	1	1	0
44 8099	27	1	0	0	0	0	25	1	0	0	0
45 100129	30	8	0	0	1	0	20	1	0	0	0
46 130159	3	2	0	0	0	0	1	0	0	0	0
47 160249											
48 250 PLUS											



D. EMPLOYMENT DATA AS OF JUNE 30 (Cont.)

(Do not include elected/appointed officials. Blanks will be counted as zero)

1. FULL TIME EMPLOYEES (Temporary employees not included)

CATEGORIES	ANNUAL SALARY (In thousands)	TOTAL (COLUMNS B-K) A	MALE					FEMALE				
			NON HISPANIC ORIGIN		HISPANIC D	ASIAN (OF ANY ORIGIN) E	AMERICAN INDIAN OR ALASKAN NATIVE F	NON HISPANIC ORIGIN		HISPANIC I	ASIAN (OF ANY ORIGIN) J	AMERICAN INDIAN OR ALASKAN NATIVE K
			WHITE B	BLACK C				WHITE G	BLACK H			
50 5 0134												
51 4054												
51 6074												
52 8094												
53 100124	28	27	1	0	0	0	0	0	0	0	0	0
54 130154	46	46	0	0	0	0	0	0	0	0	0	0
55 160249	28	26	2	0	0	0	0	0	0	0	0	0
56 250 PLUS												
57 0139												
58 4059												
59 6079	20	14	3	0	0	0	2	1	0	0	0	0
60 8099	177	157	14	1	0	0	4	1	0	0	0	0
61 100129	37	35	1	0	0	0	1	0	0	0	0	0
62 130159	3	3	0	0	0	0	0	0	0	0	0	0
63 160249												
64 250 PLUS												
TOTAL FULL TIME (LINES 5-64)	685	548	33	2	2	0	88	10	1	1	0	0

2. OTHER THAN FULL TIME EMPLOYEES (Include temporary employees)

66 OFFICIALS / ADMIN.	0	0	0	0	0	0	0	0	0	0	0	0
67 PROFESSIONALS	2	2	0	0	0	0	0	0	0	0	0	0
68 TECHNICIANS	5	3	1	0	1	0	0	0	0	0	0	0
69 PROTECTIVE SERV.	0	0	0	0	0	0	2	2	0	0	0	0
70 PARA PROFESSIONAL	11	7	0	0	0	0	5	4	0	0	0	0
71 OFFICE / CLERICAL	14	3	2	0	0	0	0	0	0	0	0	0
72 SKILLED CRAFT	0	0	0	0	2	0	16	12	0	1	0	0
73 SERV. / MAINT.	119	74	11	3	2	0						
74 TOTAL OTHER THAN FULL TIME (LINES 66-73)	151	89	14	3	3	0	23	18	0	1	0	0

3. NEW HIRES DURING FISCAL YEAR - Permanent: full time only JULY 1 - JUNE 30

75 OFFICIALS / ADMIN.	6	4	1	0	0	0	1	0	0	0	0	0
76 PROFESSIONALS	11	7	1	0	0	0	3	0	0	0	0	0
77 TECHNICIANS	14	8	5	0	0	0	1	0	0	0	0	0
78 PROTECTIVE SERV.	2	0	1	0	0	0	3	0	0	0	0	0
79 PARA PROFESSIONAL	6	2	1	0	0	0	24	6	1	0	0	0
80 OFFICE / CLERICAL	34	3	0	0	0	0	0	0	0	0	0	0
81 SKILLED CRAFT	5	3	2	0	0	0	3	2	0	0	0	0
82 SERV. / MAINT.	34	20	9	0	0	0						
83 TOTAL NEW HIRES							36	8	1	0	0	0

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RKS (List National Crime Information Center (NCIC) numbers assigned to any Criminal Justice Agencies whose data are included in this report.)

The Massachusetts Port Authority was created as a political sub-division of the Commonwealth of Massachusetts to provide for the issuance of revenue bonds payable solely from tolls and other revenues for the refinancing operation, improvement and development of the Tobin-Memorial Bridge, Logan International Airport, L. G. Hanscom Field and the Port of Boston.

INCLUDE LIST OF AGENCIES IN FUNCTION 15

IFICATION. I certify that the information given in this report is correct and true to best of my knowledge and was reported in accordance with accompanying instructions. (Wilfully false statements on this report are punishable by law, U.S. Code, Title 18, Section 1001.)

PERSON TO CONTACT REGARDING THIS FORM James W. Sullivan	TITLE Director of Personnel
ADDRESS (Number and Street, City, State, Zip Code) 99 High Street, Boston, MA 02110	TELEPHONE NUMBER AREA CODE (617) 482-2930

TOTAL FULL TIME EMPLOYMENT: 685

NAME OF JURISDICTION: Massachusetts Port Authority

A. Circle the functions covered in the attached report:

B. Circle the functions not covered in the attached report that are not performed by your jurisdiction:

C. Circle the functions not covered in the attached report which will be reported at a later date. Specify date of filing next to function:

- 1. Financial Administration
- 2. Streets and Highways
- 3. Public Welfare
- 4. Police Protection
- 5. Fire Protection
- 6. Natural Resources
- 7. Hospitals & Sanatoriums
- 8. Health
- 9. Housing
- 10. Community Development
- 11. Corrections
- 12. Utilities & Transportation
- 13. Sanitation & Sewage
- 14. Employment Security
- 15. Other

- 1. Financial Administration
- 2. Streets and Highways
- 3. Public Welfare
- 4. Police Protection
- 5. Fire Protection
- 6. Natural Resources
- 7. Hospitals & Sanatoriums
- 8. Health
- 9. Housing
- 10. Community Development
- 11. Corrections
- 12. Utilities & Transportation
- 13. Sanitation & Sewage
- 14. Employment Security
- 15. Other

- 1. Financial Administration
- 2. Streets and Highways
- 3. Public Welfare
- 4. Police Protection
- 5. Fire Protection
- 6. Natural Resources
- 7. Hospitals & Sanatoriums
- 8. Health
- 9. Housing
- 10. Community Development
- 11. Corrections
- 12. Utilities & Transportation
- 13. Sanitation & Sewage
- 14. Employment Security
- 15. Other

O. As stated on page 2 of the instruction booklet, if one official can certify as to the accuracy and completeness of the entire EEO-4 report, the following certification may be used.

CERTIFICATION: I certify that the information contained in the attached EEO-4 reports is complete, correct, and true to the best of my knowledge and was reported in accordance with the EEO-4 instructions. (Willfully false statements on the attached EEO-4 reports are punishable by law. U. S. Code, Title 18, Section 1001.)

DATE:

TYPED NAME/TITLE OF AUTHORIZED OFFICIAL

SIGNATURE

EXHIBIT IV-3

Rehabilitation of the Boston Fish Pier is given priority by planning units at all levels of state and local government. This project is not only included in the Boston Plan and the Overall Economic Development Plan for Boston, it is also included in the Metropolitan Area Planning Council's Overall Economic Development Plan and supported by the Massachusetts Office of State Planning.

The portions of these reports that deal with the fishing industry and Boston Fish Pier rehabilitation are attached in this section.

EXHIBIT 5B

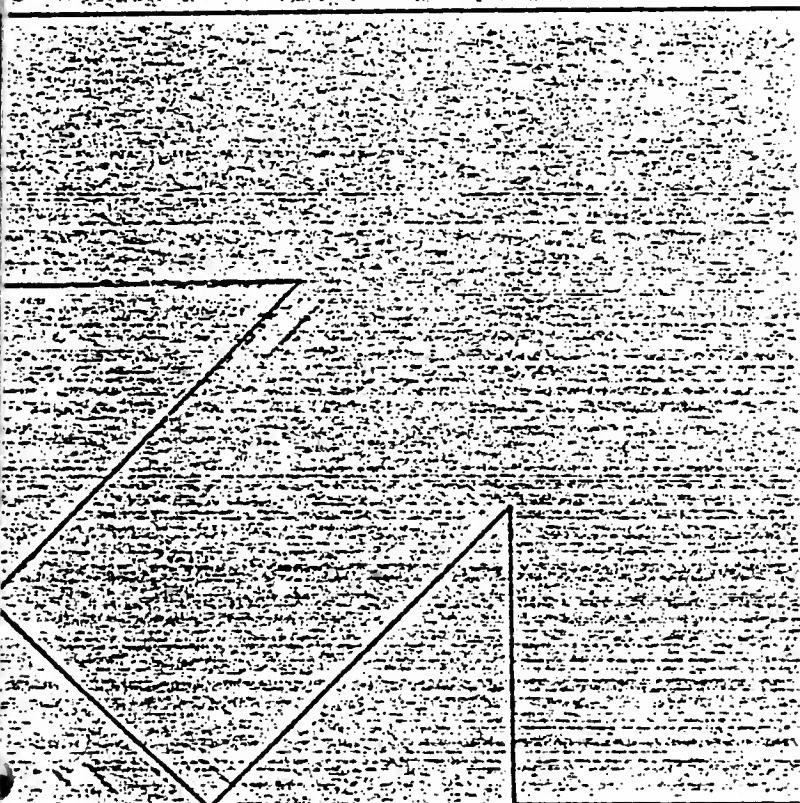
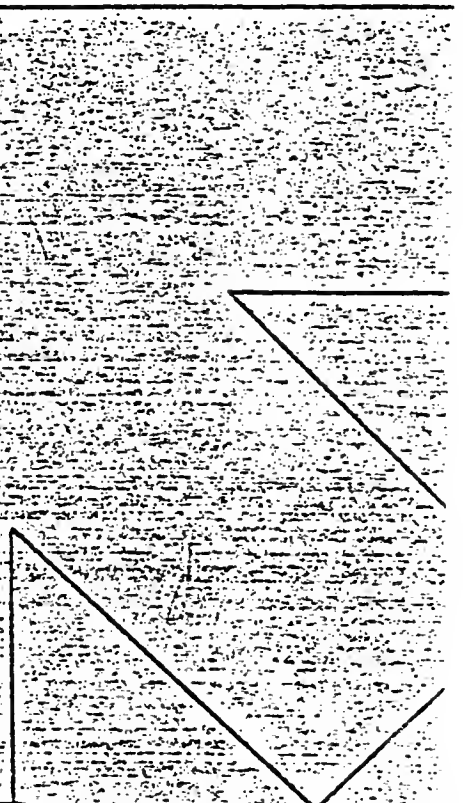
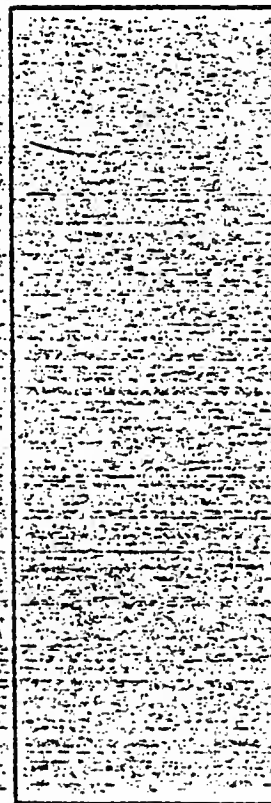
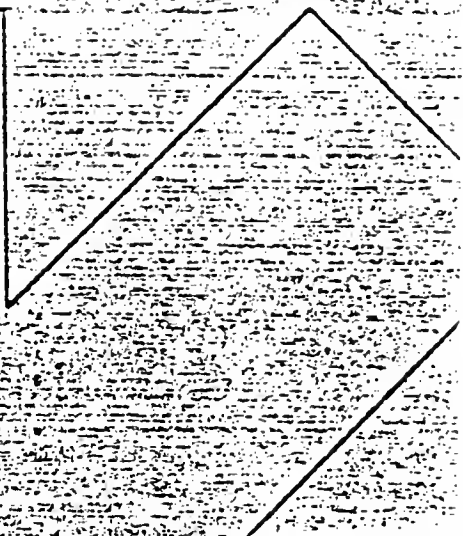
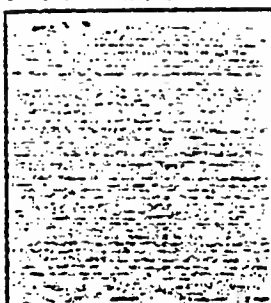
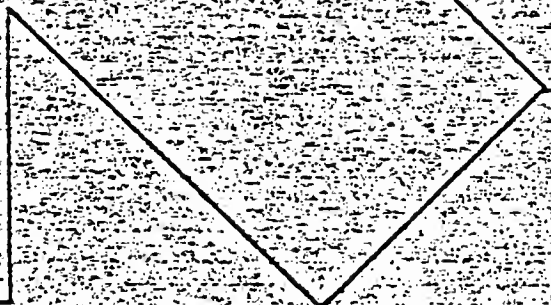
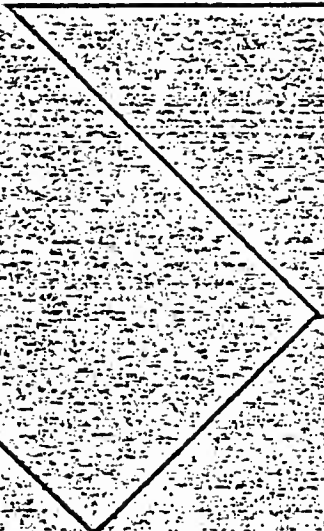
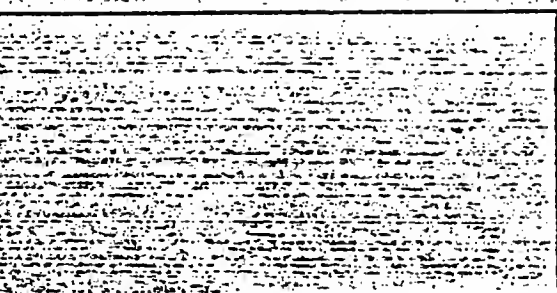
Rehabilitation of the Boston Fish Pier is given priority by planning units at all levels of state and local government. This project is not only included in the Boston Plan and the Overall Economic Development Plan for Boston, it is also included in the Metropolitan Area Planning Council's Overall Economic Development Plan and supported by the Massachusetts Office of State Planning.

The portions of these reports that deal with the fishing industry and Boston Fish Pier rehabilitation are attached in this section.

BOSTON PLAN

BOSTON
CITY
1830

TY. BOSTON / Kevin H. White, Mayor / August, 1977





CITY OF BOSTON
OFFICE OF FEDERAL RELATIONS

ONE CITY HALL SQUARE
BOSTON, MASSACHUSETTS 02201

EVIN H. WHITE
Mayor

JOHN E. DREW
Director
725-4224

September 19, 1977

Department of Commerce
Economic Development Administration
600 Arch Street
Philadelphia, PA.

Gentlemen:

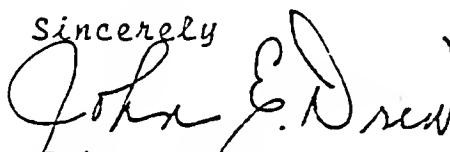
As coordinator of Boston's major economic planning document, The Boston Plan, I would like to extend my wholehearted support to Massport's application for Title I funding to renovate the Boston Fish Pier.

The Boston Plan represents the most thorough and comprehensive efforts on the part of the City of Boston to integrate all of Boston's physical and economic planning efforts and Federal financial assistance into one exhaustive document. The revitalization of the fishing industry in Boston is an integral part of our waterfront redevelopment planning; the renovation of the Boston Fish Pier is the first major step toward this goal. The \$100 million fishing industry currently provides employment for 1300 blue-collar workers, and is expected to create an additional 1000 jobs primarily for low-skilled and minority workers within the next decade.

Boston also has the potential for becoming the principle fish processing center for New England due to its location within the regional transportation network. The recently passed 200-mile fishing limit is expected to double fish catching within the next decade. Boston can capture this increased activity, and the resulting business investment in fish processing, wholesaling and related industries, with proper facilities at an expanded Fish Pier.

The renovation of the Fish Pier is a significant step toward revitalizing Boston's economy, job base, and importance to the New England region. The Economic Development Administration will be making a major contribution to both Boston and the New England region through the funding of this project.

Sincerely


John E. Drew

Fish Pier Rehabilitation

5. Rehabilitation of the Fish Pier

The Boston Fish Pier is the center of all fishing transactions for the Boston metropolitan area. Fish are sold in the New England Fish Exchange on the pier and filleted or frozen by processors located on the pier or on Northern Avenue. The Fish Pier was constructed in 1912 by the Commonwealth of Massachusetts. It was operated privately by the Boston Fish Market Corporation until 1972 when Massport took over its operation.

During the last 30 years the condition of the pier and the local fishing industry have declined. In 1965 there were 53 fishing vessels operating from the Fish Pier; now there are 15.

Nevertheless the coming of the 200 mile limit and new financial interest in modern fishing boat acquisition has produced new hope for the revitalization of the fishing industry. The 1300 jobs currently at the pier can be stabilized and new jobs created. The renewal of the Fishing Fleet would reinforce ship repair activity at the nearby industrial park and could in time generate new demand for refrigerated container activity.

Specific Project

This proposal calls for reinvestment of 10-12 million in the publicly owned Fish Pier (3.4 to 10.5 m EDA, 3.6 to 4.5 m Massport). Recent studies of the pier have indicated serious problems with the structural integrity of the pier, the utility system, structures, and a need for new and more efficient loading facilities.

First phase rehabilitation will include:

- Rehabilitation of buildings 1 and 2 for use by fish dealers and processors. The third floor of these buildings will be renovated for other compatible rent-producing uses, either residential or office space;
- Rehabilitation of building 3 for compatible income produce uses;
- Rehabilitation of the power plant building to house central freezer cold storage, and heating facilities. It is also proposed that a new fish unloading and auction facility be located here and that it would be an appropriate relocation site for an enlarged ice plant. These facilities are badly needed for growth of the pier's operations as well as for reasons of sanitation and efficiency.

- Rehabilitation of the pier itself is proposed and would include resurfacing the apron and regrading and paving the central street. The traffic and loading patterns would be revised to eliminate the present problems of congestion.

This rehabilitation would be phased to allow minimum disruption of pier operations.

A second major component of this project would involve credit assistance for the Fishing Fleet. A new trawler now costs an average of \$1.6 million and most of the existing Fleet is over 20 years old. As an undercapitalized high risk industry the Fishing Fleet has been chronically unable to renew itself due to inability to get credit. This proposal calls for a Federally funded loan guarantee program to assist fishermen. Working with local banks and the proposed guarantee program, the City of Boston will offer technical assistance to fishermen to gain financing for new fishing boats.

Timing

The Fish Pier upgrading and loan guarantee program could begin as early as 1978. Preliminary engineering work and environmental clearance is already complete. The entire first phase pier upgrading could be accomplished within 2 years.

Benefits

Investment in the Fish Pier and the Fishing Fleet will have a major effect on a major New England industry. Fish processing which traditionally employs a resident blue collar, often minority, labor force will be stabilized in Boston with a potential for adding 1000 new jobs to the present base of 1300. Boston has the potential for becoming the principle fish processing center for New England due to its location within the regional transportation network. With the growth of the industry because of the 200 mile limit, fishing could double its level of activity within the next decade.

THE BOSTON
OVERALL ECONOMIC DEVELOPMENT PROGRAM
as amended
JANUARY, 1977

Michael Westgate, Chairman
The OEDP Committee

Mayor, Kevin H. White
City of Boston

I THE OEDP COMMITTEE

The Committee is mandated by the Economic Development Administration to develop an overall development plan for the City of Boston and to insure that the plans and projects of various organizations are in conformance with that plan. In addition, the OEDP Committee is comprised of a broad based advisory group, which informs the Mayor and the Mayor's Development and Industrial Commission of community and businesses' views on the economy of the City. The Committee provides an outreach function to assist community development corporations, and other economic development oriented groups, and to encourage them to work in closer consort with the City of Boston to the mutual benefit of all.

The OEDP Committee consists of representatives of community organizations from several neighborhoods of the City, municipal development agencies, local banks and businesses, as well as political leaders. Working together, this group has joined many local talents and resources with City and Economic Development Administration funds to meet the challenge of creating new jobs and improving the economic base of the City.

A list of the OEDP Committee members and their affiliations is attached on the following page.

To fulfill area goals, the strategy for economic development must focus on the creation of light manufacturing and marine-related industries, within the general context of balanced economic growth. The prime mover in this effort will be the Economic Development and Industrial Corporation of Boston, but other related projects will be generated by the C.D.C. of Boston, Massport and other development groups in the City. As neighborhood improvement is a secondary goal of the OEDP, community based commercial renewal projects will also be encouraged and supported.

EDIC is a quasi-public non-profit corporation created as the action arm of the Development and Industrial Commission, a City agency. The corporation has eminent domain powers in areas zoned for manufacturing. It has the power to acquire, demolish, renovate and/or build industrial structures for sale or lease. EDIC has independent bonding authority backed by "the full faith and credit of the City".

The projects that the OEDP Committee envisions coming on line over the next year are detailed below.

Crosstown Industrial Park

Phase I development of the site, encompassing five acres of land, is scheduled for implementation in 1977. The site is located in the Roxbury section of Boston and adjacent to the Southeast Expressway. Over 100,000 square feet of new industrial space and 200 jobs are anticipated from this phase of the development. The project will be carried forward by EDIC in conjunction

with the CDC of Boston and involve a \$2 million capital investment for acquisition site preparation and new construction.

Boston Fish Pier Modernization

Massport has begun preliminary discussions with EDA and OEDP representatives relative to modernizing the Boston Fish Pier, which was originally constructed in 1916. The modernization program is directly related to the anticipated increase in activity resulting from the 200 mile limit.

The Fish Pier is located in the heart of South Boston's heavy industrial zone and provides 600 jobs to fishermen and processors. The site has suffered from long neglect, as is the case with most declining industries and is in need of extensive rehabilitation if it's to meet the needs of increased production.

**O
E
D
P** **OVERALL
ECONOMIC
DEVELOPMENT
PROGRAM**

BOSTON

SMSA

FIRST STAGE

**prepared by
mapc
sept 1977**



Dev. lang. / activities



INNER 128 SUB-AREA (CONTINUED)

PROJECT DEVELOPMENT PROGRAM

NO.	PROPOSED PROJECTS DESCRIPTION AND LOCATION	AGENCIES RESPONSIBLE	LOCAL		TIME HORIZON REGIONAL		SOURCES FUNDING AND AMOUNTS				ESTIMATED TOTAL COST	INITIATION DATE	EIS COMPLETION DATE	EIS IF ANT	NO. OF JOBS TO BE CREATED
			PRIORITY	RANK	PRIORITY	RANK	FEDERAL	STATE	LOCAL	OTHER					
MILTON															
1	Neighborhood Improvements and Beautification Program	DPW	1	High		High					1,200,000	Immediately	Positive Impact		90
2	Outdoor Recreational and Athletic Facility Development	School Dept.	2	High		High					1,100,000	4 Months	On Environment		81
3	Additional Renovations to H.S. Physical Ed. Bldg.	School Dept.	3	High		High					800,000	Immediately	"		40
REVERE															
1	Development of Revere Beach	MBTA-HDC-MDPA-Revere	1	High			Combination of Public & Private Funding				250,000,000	May 1978-Comp. 1985	NA	NA	NA
2	Improvements to Shirley Avenue	City of Revere	2	High		High					1,000,000	Oct. 77	NA	NA	NA
3	Relocation of City Yard from Center of City	"	3	High							1,250,000		NA	NA	NA
4	Development of Freedom Realty Property	"	4	High			Combination of Public & Private Funding				NA		NA	NA	NA
5	Revitalization of Broadway	"	5	High							3,700,000		NA	NA	NA
6	Central Business District Development of Old High School Site	"	6	Moderate											
7	Development of Light Industrial Park Rt. 102	"	7	Moderate											
8	Revitalization of Donnelly Square	"	8	Moderate											
STONEHAM															
1	Public Library to be Constructed	Bd. of Sel.	1	High		High	1,425,000		170,000 (Already Spent)		1,425,000	Immed. 14 Mos.	None	200 Const.	
2	Municipal Parking and Substandard Housing Rehab.	"	2	High			422,000	58,000	22,000		500,000	2 Years	None	83	
3	Ambulance Garage and Dog Pound	"	3	High			210,000		10,000		220,000	2 Years	None	28	
4	Police Station Garage	"	4	Moderate			40,000		5,000		45,000	1 Year	None	13	
5	General Roadway Resurfacing Program	Board of Public Works	5	Moderate			712,000		38,000		750,000	3 Years	None	56	
MALDEN															
1	Fuller Home Reconstruction	Bd. of Health	1	High		High					2,500,000	1978 to 79	To be Determined	18 Temp.	
2	Revitalization of Business District	DPW	2	High		High					25,000,000	1978 to 82	To be Extended	550 Perm.	
3	Grade-Crossing Separation	DPW	3	High							20,000,000	1978 to 80	Positive	Indirect	
4	City Hall Expansion	Mayor	4	Moderate							1,200,000	1978 to 80	To be Studied	30 Perm.	
5	Final Water System Improvements	DPW	5	Moderate							1,000,000	1978 to 78	"	45 Const.	
	Loan Guarantees J.L. Thomson Silver Corp.	Private				High					1,750,000	1977 to 78	Not Applicable	223 Perm.	
BOSTON - OTHER															
	Rehabilitation of Boston Fish Pier	Mass. Port Authority		High							10,000,000	Fail 1977 to 1981	NEGATIVE	500-2000	
	Economic Revitalization of John Elliot Square, Roxbury	Boston Red. Auth. MBTA Reg. Action Program		High							2,600,000			400	
QUINCY															
1	CBD Utility Relocation, New Access Road	Mayor	1	High							334,9,048	Within 2 Year	Not Complete	250	
2	CBD - Common Sub-Structure Facility parking/utilities	Mayor	2	High							600,000		Complete		

x

x

No.	Communtties	Cities & Towns in Boston SMSA	Sent Letters 7/7	7/11	Members So. Essex Re- Dev. Area	Responded	Plan to Respond	# of Projects
1	Arlington	X	X			X		8
2	Belmont	X	X				X	
3	Boston	X		X		X*		2-Massport -RAP
4	Brookline	X	X			X		16
5	Burlington	X	X				X	
6	Cambridge	X	X			X		4
7	Chelsea	X		X		X		
8	Dedham	X	X				X	
9	Everett	X	X			X		
10	Lexington	X	X				X	
11	Malden	X	X			X		27
12	Medford	X	X			X		5
13	Melrose	X	X			X		4
14	Milton	X	X			X		3
15	Newton	X	X				X	
16	Quincy	X		X		X		2
17	Revere	X	X			X		8
18	Somerville	X	X			X		
19	Taunton	X	X			X		



THE COMMONWEALTH OF MASSACHUSETTS

EXECUTIVE DEPARTMENT

STATE HOUSE • BOSTON 02133

MICHAEL S. DUKAKIS
GOVERNOR

Dear Fellow Citizen:

I am pleased to present you with this Economic Development Program for Massachusetts.

The purpose of this document is to establish a common framework in which to view the Commonwealth's economic problems, and to encourage understanding of and support for the policies and programs which best respond to these problems.

It is important to point out that this program focuses on what state government can and must do to spur economic growth. As such, it does not deal extensively with the important roles of the Federal Government and the private sector, although cooperation and assistance from both is essential.

Federal regulatory decisions and federal facility investments profoundly influence the level of economic activity in Massachusetts. We need look only to the powers of the Federal Reserve System and the White House in controlling monetary and fiscal policies, and of the Department of Defense in closing military bases and channelling research and development dollars, to appreciate the need for strongly supportive federal policies and programs. Moreover, major changes in federal policies with regard to full employment, national health insurance, and welfare reform would dramatically improve the prospects for economic growth in Massachusetts. In this light, Lieutenant Governor O'Neill's Office of Federal-State Relations takes on critical importance in its already successful effort to influence national decision-making as it relates to the Commonwealth's economic interests.

Assuming complementary federal actions and a state government which is sensitive to the need for economic development, little can be achieved without the leadership of the private sector. New, well-paying jobs will almost exclusively depend upon the ability and willingness of private entrepreneurs and institutions to invest in Massachusetts.

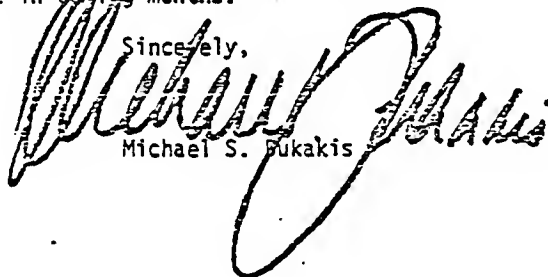
Everyone has a stake in the economy of Massachusetts--business, labor, and government. Consequently, in the weeks and months ahead, we must progress from dwelling on the symptoms and causes of the state's economic problems to collaborative ventures to strengthen the foundation on which economic prosperity can be achieved in the future.

This program is primarily the work of my Development Cabinet, consisting of Lieutenant Governor O'Neill, Secretaries Smith, Salvucci, Murphy, Flynn, and Sullivan, and State Planning Director Keefe, serving as Chairman.

Many individuals outside state government have assisted the Development Cabinet in the revision of earlier drafts of this program, including members of the Local Government Advisory Committee, the Task Force on Capital Formation, and many prominent business and labor leaders.

Because policies should always change with new information and better ideas, I urge you to consider this a working document—a document that will assist you in considering the state's economic predicament and in participating with us in initiatives to stimulate new economic vitality. Please write Frank Keefe (Office of State Planning, One Ashburton Place, Room 2101, Boston, MA 02108) if you have suggestions on how we might improve upon this program. In addition, opportunities for commenting on the program will be afforded through an on-going series of economic development conferences to be held across the state in coming months.

Sincerely,



Michael S. Dukakis

Industries

The costs of doing business in Massachusetts limit the expansion of certain industries, particularly those in manufacturing which depend heavily on energy or access to new materials. Nevertheless, many other industries are compatible with and, in fact, often depend upon the special characteristics of our state's economy and environment. The in-migration or expansion of these industries often is limited by a particular tax or regulation, or by the unavailability of special kinds of labor or venture capital. These industries with growth potential fall into five categories:

Those which relate directly to our technology base and to the markets they serve such as computers, medical instrumentation, and solar energy. The establishment of a loss carry-forward provision in our corporate income tax can help to spawn and retain innovative technology-based firms in Massachusetts. Such a change would bring about symmetry between the Massachusetts tax code and the tax codes of the Federal Government and many other states.

Service sector industries, such as trade, finance, insurance, medical, education, and business services, and their corporate headquarters in particular, which can be well-served in Boston by the proximity of many high-quality residential neighborhoods and suburban communities and a major, close-in international airport.

* Natural resource-based industries such as the fishing and wood products industries, which have access to the natural resources upon which they depend and the markets they serve. This would also include the tourist industry, which is dependent on the preservation of our unique natural resources and historic sites.


- o Industries which are under-represented in New England, resulting in the import of goods and services which could be produced in Massachusetts. Among the industries with import-substitution potential are a number of wood product, food processing, metal fabrication, and machinery production industries.
- o Industries which can capitalize on available federal resources. These industries include:
 - Research and development, including research on alternative energy resources and medical research
 - Housing, entailing the use of MHFA and MHMFA to capitalize on available federal rent and mortgage subsidies
 - Pollution control equipment.

These efforts to realize the growth potential of industries which are compatible with our state's economy and environment provide an essential complement to state action to reduce the cost of doing business in Massachusetts. The fishing industry is a good example now that the territorial limit has been extended 200 miles into the Atlantic. The Lieutenant Governor already heads a "200 Mile Work Group" which, together with a similar group recently funded by the New England Regional Commission, will determine what steps can be taken to maximize the economic advantages for the fishing industry. In connection with this, several state agencies have worked closely with local officials and fishermen in Gloucester to channel state and federal funds into the construction of a fish processing facility and into a revolving loan fund for the upgrading of the local fishing fleet.

INDUSTRIES

PRIORITY: To Encourage the Maximum Growth of New Jobs in Those Industries which are Best Able to Take Advantage of Massachusetts' Economic Assets

All of the initiatives advanced in this program to constrain the costs and increase the convenience of doing business in Massachusetts will serve to encourage the creation of new jobs, especially in those industries that have natural growth potential. State government cannot create these new jobs directly. Instead, it must proceed by fostering an improved general climate for operating businesses and undertaking investments. More directly, the state can attract new corporate headquarters and encourage the expansion of technology and natural resource-based industries, as well as the exploitation of import-substitution opportunities, by pursuing the steps set forth below.

- NEXT STEPS:**
- A. Enact a loss carry-forward tax provision for all new and expanding companies in Massachusetts.
 - B. Implement the Capital Formation Task Force financing mechanisms that receive Gubernatorial and legislative approval.
 - C. Evaluate the cost-effectiveness of a variety of tax incentive proposals for such new growth potential industries as solar energy and fishing.
 -  D. Continue the work of the "200-Mile Work Group" in assessing specific ways to expand the Massachusetts fishing industry.
 - E. Improve the capacity of state government to identify industrial development opportunities and to provide information and assistance to prospective entrepreneurs and investors, with specific regard to taking advantage of import-substitution opportunities. State government will work with private sector and academic economists to identify those products that are heavily imported to Massachusetts and to assess the opportunities for local production of these products and the potential consumer savings resulting from such local production. Most important, state government will distribute this information and provide follow-up assistance to those who might want to take advantage of these import-substitution opportunities.

STATEMENT OF 200-MILE WORK GROUP

Fishing is the oldest industry in Massachusetts and has played a prominent role in New England's history. Unfortunately, as a result of improper management, an excess of foreign fishing off the Georges Bank, and the employment of destructive fishing practices, the industry is now on the brink of destruction 1/. In a time of increasing economic hardship, this means a loss of revenue, food, and resources that Massachusetts can ill afford.

After a great deal of effort on the part of concerned legislators and interest groups, Congress has responded to the crisis by enacting the "Fishing Conservation and Management Act of 1976" 2/ (more commonly known as the 200 Mile Limit). This legislation will afford coastal states, acting alone and on a regional basis, an opportunity to recover from the errors of the past, to re-establish the fishing industry as a viable economic asset, and to save from devastation the once vast, but now depleted natural resources of our oceans. Congress, in passing the 200 Mile Limit, has set up a framework for action; but there remains much work to be done by the states and by private industry before the enormous potential for economic gain can be realized 2-A/.

In March of 1976 Governor Dukakis announced that the 200 Mile Work Group would be formed in Massachusetts. Its tasks were to determine what major problems stood in the way of economic recovery for the Massachusetts fishing industry and to propose solutions to these problems. The Work Group was formed by the Office of Lt. Governor Thomas P. O'Neill, III, in May, and consisted of heads of various state agencies, representatives of major port cities, officials from other coastal communities, representatives from the financial community, and fishing industry officials.

The Committee determined at the outset that various sub-committees should be set up to investigate and deal with specific problem areas, and that the Committee should itself be only temporary, serving in an advisory capacity to the Lt. Governor's Office. The sub-committees broke down into the following areas: Technical Assistance and Fleet Development, Marketing, Legislative, Resource Management, Port Development, Financial, and Future Conflicts. These sub-committees have filed their reports with the Lt. Governor's Office and the full 200 Mile Work Group and the reports have been compiled and edited into this final report by the Executive Office of Environmental Affairs.

It is the opinion of the Work Group that this report accurately identifies the major issues and needs of the Massachusetts fishing industry. The Work Group hopes that this report will serve as an impetus to new and innovative programs and policies which will restore the Massachusetts fishing industry to its full potential.

Project Managers

Elliot K. Friedman, Director of Property Management and Real Estate Development

Mr. Friedman is responsible for the direction of Massport's special development projects. He was previously the Project Director for the Boston Redevelopment Authority's South Cove Urban Renewal Project, and Director of Development for the Boston University Administration.

Mr. Friedman has many years of planning and development experience. He received a Master's Degree in Public Administration from Northeastern University and an A.B. from the University of Pennsylvania.

Robert S. Parks, Property Manager

Mr. Parks is responsible for the maintenance and management of the Fish Pier area. Prior to working at Massport Mr. Parks was owner and manager of a business responsible for the sales and service of oil and gasoline equipment; he is involved in numerous community organizations and is currently President of Roxbury tenants of Harvard, Director of the Board of Mission Park Corporation, Vice President of the Consumer Advisory Council, President of Mission Hill Health Movements, member of the Area Planning Action Council Parker Hill/Fenway area, member of the Board of Directors of Parker Hill Medical Center and of the Harvard Community Health Plan. In the past he has been a Trustee of the Affiliated Hospital Center, member of the Board of the Health Planning Council of Greater Boston, Chairman of the Policy Board of the Mission Hill Outreach for the Harvard Community Health Plan and founder and member of the Mission Hill Planning Commission.

Mr. Parks has had a great deal experience in entrepreneurial management and policy formation. He has a B.S. in Business Administration from Boston College.

Joseph J. Randall, Project Engineer

Mr. Randall is responsible for review of the Architectural/Engineering work for the project and for technical advice to Massport's Department of Property Management and Real Estate Development.

Following Mr. Randall's graduation from college he held many positions in Civil and Architectural Engineering; beginning as an Engineer and up to President of an Engineering Consulting firm. He has worked on a variety of projects including bridges, commercial and industrial buildings and building modifications. His experience in the public sector includes work as a Structural

Mr. Randall attended Northeastern University and has a B.S. in Civil Engineering. He is currently a Registered Professional Engineer in Massachusetts, Rhode Island, and Maine, and is a member of the American Society of Civil Engineers.

David B. Weiner, Director of Engineering

As Director of Engineering, Mr. Weiner oversees all construction projects in the Authority.

Prior to coming to the Port Authority, Mr. Weiner worked at the Boston Redevelopment Authority, for fifteen years as project engineer, assistant chief engineer, and project director. He has worked on Government Center, the Boston Waterfront, the Charlestown Navy Yard and Copley Square. Of particular note here is the waterfront project which involved the rehabilitation of existing historical buildings; the Faneuil Hall Markets, the Mercantile Wharf Building, and the piers along Atlantic Avenue. He has also worked at William A. Fisher Co. and at Edwards and Kelcey.

Mr. Weiner holds a B.S. in Civil Engineering from Northeastern University and is a Registered Professional Engineer in Massachusetts.

MARITIME DEPARTMENT
UNIT 417 PORT FISH PIER
REPORT NO 2032

MASSACHUSETTS PORT AUTHORITY
BUDGETARY CONTROL REPORT

PAGE	91
DATE PREPARED	03/27/79
PERIOD ENDING	01/31/79

CURRENT MONTH			REVISED		YEAR		OUTSTANDING	
ACTUAL	BUDGET	VARIANCE	ANNUAL BUDGET	TO DATE ACTUAL	PURCHASE ORDERS	AVAILABLE BALANCE		
PAYROLL AND BENEFITS								
25,965	19,097	6,868-	244,440	176,605		67,835		
	4,375	4,375	35,000			35,000		
1,335	1,733	398	1,272	16		1,256		
5,600	5,600		22,561	12,169		10,762		
1,912	2,091	179	67,200	44,800		22,400		
			22,692	18,237		6,455		
44-		44		87		87-		
	50	50	400	44		400		
	85	85	1,020			1,020		
	68	68	816	297		816		
	9	9	108	765		165-		
	10	10	120	105		645-		
	177	177	2,124	105		2,019		
36,768	33,391	1,377-	398,153	251,125		147,028		
TOTAL PAYROLL AND BENEFITS								
MATERIALS AND SUPPLIES								
	90	90	1,080	365		715		
	139	14	1,668	1,603		15-		
125	25	25	300	118		182		
	375	375	4,500	708		3,792		
75	378	303	3,024	546		2,478		
422		822-		1,046		1,646-		
	520	520	2,240	2,240		2,240		
	600	600	7,200			7,200		
125	50	75-	600	911		311-		
	60	60	720	1,286		566-		
	132	132	1,056	1,941		2,665-		
286	415	129	4,980	5,573		2,396-		
				270		276-		
1,433	2,764	1,331	27,366	19,161		8,604		
1,261	10	1,251-	126	1,382		1,252-		
				77		77-		
	170	170	1,360	1,566		206-		
	1,400	1,400	11,400	226		10,974		
4,575	2,280	2,280	18,240	1,700		16,540		
	4,441	134-	25,523	21,584		13,915		
5,836	8,301	2,465	66,443	26,635		39,808		
SERVICES								
	82	82	564	710		274		
7,956	5,028	2,928-	60,326	54,167		6,165		
170	22	148-	703	356		142-		
1,135	5,500	4,365	20,800	905-		21,465		

HAITIAN DEPARTMENT
UNIT A13 FORT FISH PIER
REPORT NO 2052

MASSACHUSETTS PORT AUTHORITY
BUDGETARY CONTROL REPORT

DATE PREPARED 03/27/79
PERIOD ENDING 01/31/79

C U P R E N T M O N T H				REVISED		YEAR		OUTSTANDING		AVAILABLE	
ACTUAL	BUDGET	VARIANCE		ANNUAL BUDGET	TO DATE ACTUAL	PURCHASE ORDERS	DATE	PURCHASE ORDERS	DATE	BALANCE	DATE
240	240	240	TELEPHONE AND TELEGRAPH	2,360	1,109					1,211	
63	63	63	FIRE ALARM	996	469					527	
101	95	14	CLERICAL	1,212	904					303	
14	14	14	DRINKING WATER	166	753					585-	
9,269	11,070	1,601	TOTAL SERVICES	86,704	57,562					29,222	
UTILITIES											
7	5	2-	MEAT GAS FUEL	60	53					7	
26,029	54,720	28,691	HEAT OIL FUEL	205,000	114,563					170,437	
2,113	2,295	182	ELECTRICITY	28,000	13,775					14,225	
	19,000	19,000	WATER	53,000	9,917					43,083	
	4,300	0,300	SEWER	8,300	9,917					1,017-	
29,149	84,320	56,171	TOTAL UTILITIES	374,360	148,225					226,135	
OTHER											
60	60	60	RENTALS-EQUIPMENT, VEHICLES	720	444					276	
300	300	300	RENTALS-TOOLS AND MACHINERY	2,400	167					2,233	
			TOTAL OTHER	3,120	611					2,509	
79,455	160,226	60,771	TOTAL DIRECT EXPENSES	956,228	499,219	3,603				453,606	
CHARGES TO OTHER UNITS											
UNIT A13 FORT FISH PIER											
4,425	4,425	4,425	PAYROLL AND BENEFITS	35,400	167					35,400	
300	300	300	OTHER	2,400						2,400	
4,725	4,725	4,725	TOTAL CHARGES TO OTHER UNITS	37,800	167					37,633	
UNDISTRIBUTED EXPENSES											
34,769	28,966	5,802-	PAYROLL AND BENEFITS	362,753	251,129					111,628	
1,433	2,764	1,331	MATERIALS AND SUPPLIES	27,368	18,161	3,603				6,604	
5,436	8,301	2,865	REPAIRS	66,443	26,539					39,908	
9,269	11,070	1,801	SERVICES	86,764	57,562					29,222	
28,149	64,320	56,171	UTILITIES	374,360	148,225					226,135	
	60	60	OTHER	720	444					276	
79,455	135,501	56,046	TOTAL UNDISTRIBUTED EXPENSES	918,428	499,052	3,603				415,773	
79,455	160,226	60,771	DISTRIBUTED EXPENSES	456,228	499,219	3,603				453,606	

000113 - DEATH SENTENCE
0011 413 1001 1150 P LIRE
000001 40 2032

MASSACHUSETTS PORT AUTHORITY
BUDGETARY CONTROL REPORT

DATE PAID	04/25/79
PERIOD ENDING	03/31/79

CURRENT MONTH				REVISED ANNUAL BUDGET				YEAR TO DATE ACTUAL		OUTSTANDING PURCHASE ORDERS		AVAILABLE BALANCE	
ACTUAL	BUDGET	VARIANCE		ANNUAL BUDGET		TO DATE ACTUAL		PURCHASE ORDERS		AVAILABLE BALANCE			
339	440	95-	TELEPHONE AND TELEGRAPH	2,380		1,864				476			
435	43	435-	FIRE ALARM	996		704				292			
118	101	17-	CHEMICAL	1,214		1,027				185			
31	14	19-	DRINKING WATER	168		766				614-			
1,063	7,570	9,063	TOTAL SERVICES	60,784		59,447				27,337			
3,760	3	3,760	UTILITIES	60		63				7			
1,635	41,615	40,080	HEAT GAS FUEL	205,000		180,341				104,659			
1,635	2,295	460	ELECTRICITY	26,000		17,787				10,213			
1,064	1,064-		WATER	63,000		10,981				42,019			
			SEWER	9,300		9,917				1,617-			
3,639	43,915	40,276	TOTAL UTILITIES	374,360		219,079				155,281			
27	60	33	OTHER	720		444				276			
	300	300	RENTALS-EQUIPMENT, VEHICLES	2,400		167				2,233			
	27-	27-	RENTALS-TOOLS AND MACHINERY			27				47-			
27	360	333	OTHER MISCELLANEOUS	3,120		636				2,482			
60,116	100,406	20,090	TOTAL DIRECT EXPENSES	920,226		614,730				317,895			
4,425	300	4,425	CHARGES TO OTHER UNITS	35,400		167				35,400			
			UNIT 413 FISH PIER	4,400		2,213				2,213			
4,425	300	4,425	PAYROLL AND BENEFITS										
4,425	300	4,425	OTHER										
9,725	4,725	5,000	TOTAL CHARGES TO OTHER UNITS	37,600		167				37,633			
36,381	33,207	3,174	UNDISTRIBUTED EXPENSES	362,753		287,505				75,248			
3,174	2,137	1,037	PAYROLL AND BENEFITS	27,306		21,155				2,010			
3,174	6,694	3,520	MATERIALS AND SUPPLIES	60,493		26,906				33,587			
3,174	7,570	5,396	REPAIRS	80,784		59,447				27,337			
3,174	43,915	40,741	UTILITIES	374,360		219,079				155,281			
27	60	33	OTHER	720		471				249			
60,316	93,663	33,347	TOTAL UNDISTRIBUTED EXPENSES	916,428		616,563				300,264			
60,316	100,406	20,090	UNDISTRIBUTED EXPENSES	920,226		614,730				317,895			

ENVIRONMENTAL INFORMATION

Item 1a. Has a Federal, State, or Local Environmental Impact Statement or Analysis been prepared for this project?

☐ Yes ☒ No ☐ Copy attached as EXHIBIT II-A-8(1)(a)

b. If "No," provide the information requested in Instructions as EXHIBIT II-A-8(1)(b)

☒ EXHIBIT II-A-8(1)(b) attached

Item 2. The State Historic Preservation Officer (SHPO) has been provided a detailed project description and has been requested to submit comments to the appropriate EDA Regional Office. ☒ Yes ☐ No

Date description submitted to SHPO April 6, 1978

Item 3. Are any of the following land uses or environmental resources either to be affected by the proposal or located within or adjacent to the project site(s)? Check appropriate box for every item of the following checklist.

YES NO UNKNOWN

YES NO UNKNOWN

1. Industrial ☒ ☐ ☐

19. Dunes ☐ ☒ ☐

2. Commercial ☒ ☐ ☐

20. Estuary ☐ ☒ ☐

3. Residential ☐ ☒ ☐

21. Wetlands ☐ ☒ ☐

4. Agricultural ☐ ☒ ☐

22. Floodplain ☒ ☐ ☐

5. Grazing ☐ ☒ ☐

23. Wilderness (designated or proposed under the Wilderness Act) ☐ ☒ ☐

6. Mining, Quarrying ☐ ☒ ☐

24. Wild or scenic river (proposed or designated under the Wild and Scenic Rivers Act) ☐ ☒ ☐

7. Forests ☐ ☒ ☐

25. Historical, Archeological Sites (Listed on the National Register of Historic Places or which may be eligible for listing) ☐ ☒ ☐

8. Recreational ☐ ☒ ☐

26. Critical Habitats endangered/threatened species ☐ ☒ ☐

9. Transportation ☐ ☒ ☐

10. Parks ☐ ☒ ☐

11. Hospitals ☐ ☒ ☐

12. Schools ☐ ☒ ☐

13. Open spaces ☐ ☒ ☐

14. Aquifer Recharge Area ☐ ☒ ☐

15. Steep Slopes ☐ ☒ ☐

16. Wildlife Refuge ☐ ☒ ☐

17. Shoreline ☒ ☐ ☐

18. Beaches ☐ ☒ ☐

30. Energy Supplies ☐ ☒ ☐

Item 4. Are any facilities under your ownership, lease, or supervision to be utilized in the accomplishment of this project, either listed or under consideration for listing on the Environmental Protection Agency's List of Violating Facilities?

☐ Yes ☒ No

INSTRUCTIONS

Federal Agencies are required by law to independently assess the expected environmental impacts associated with proposed Federal actions. It is extremely important that the information provided be in sufficient detail to permit EDA to perform its evaluation. The information requested must be submitted with the preapplication. Failure to provide sufficient data will delay agency review and a decision to formally authorize an application.

This information request is designed to obtain an understanding of the area's present environmental condition and the project's elements that will affect the environment. Should you believe that an item does not apply to the project, consult with EDA's Economic Development Representative (EDR) before responding. In all cases when it is believed that an item is not applicable, explain the reasons for this belief.

It is important to understand the comprehensive nature of the information requested. Information must be provided for a) the site(s) where the project facilities will be constructed and the surrounding areas that will be affected by its operation and b) the areas affected by any primary beneficiaries of the project. The amount of detail should be commensurate with the complexity and size of the project, and the magnitude of the expected impact. Some examples:

A small community center project may not require detailed information on air emissions, meteorological conditions and solid waste management.

A water resource or industrial development project will require detailed information.

Item 1a — Compare the Environmental Impact Statement or Analysis with the information requested in the instructions for Item 1b below to be sure that every point is covered. Reference the location of that information in the Statement for each item covered. Correct any deficiencies/omissions in the information supplied and attach to the document.

Item 1b — Provide responses to the following items in the order listed and attach as EXHIBIT II-A-8(1)(b):

(1) Primary beneficiaries

Identify any existing businesses or major developments that will benefit from the proposal, and those which will expand or locate in the area because of the project. These businesses or major developments hereafter will be referred to as primary beneficiaries.

(2) Area Description

- (a) Describe the size, terrain, and present land uses as well as the adjacent land uses of the areas to be affected. These areas include the site(s) of construction activities, adjacent areas, and areas affected by the primary beneficiaries.
- (b) For each box checked "Yes" in item 3, describe the nature of the effect on the resource. If one or more of boxes 17 through 21 is checked "Yes" or "Unknown," contact the EDR for instructions relating to the requirements imposed by the Floodplain Management and Wetland Protection Executive Orders.
- (c) Attach as Exhibit II-A-8(1)(b)(2)(c) the following: 1) a U.S. Geological Survey "15 minute" ("7-1/2 minute" if available) topographic map which clearly delineates the area and the location of the project elements; 2) the Department of Housing and Urban Development's floodplain map(s) for the project area; 3) site photos; and 4) if available, an aerial photograph of the site. If a floodplain map is not available, contact the EDR for additional instructions relating to the requirements imposed by the Floodplain Management Executive Order.

(3) Air Quality

- (a) Provide available air quality data from the monitor station(s) either within the project area or, if it does not exist, nearest the project area.
- (b) Indicate the types and quantities of air emissions be produced by the project facilities and its primary beneficiaries. If odors will occur, indicate who will be affected.
- (c) Indicate if topographical or meteorological conditions will hinder the dispersal of air emissions.
- (d) Indicate the measures to be taken to control emissions.

(4) Water Quality

- (a) Provide available data on the water quality of surface or underground water in or near the project area.
- (b) Indicate the source, quality, and available supply of raw water and the amount of water which the project is designed to utilize.
- (c) Describe all of the effluents or discharges associated with the project facilities and its primary beneficiaries. Indicate the expected composition and quantities of these discharges prior to any treatment processes they undergo and also prior to their release into the environment.
- (d) Describe any treatment systems which will be used for these effluents and indicate their capacities and their adequacy in terms of the degree and type of treatment provided. Indicate all discharges which will not be treated. Describe the receiving waters and their uses (e.g., recreational) for any sources of treated effluent or untreated discharge.
- (e) If the treatment systems are or will be inadequate or overloaded, describe the steps being taken for necessary improvements and their completion dates.
- (f) Describe how surface runoff will be handled if not discussed in (3) above.

(5) Solid Waste Management

- (a) Indicate the types and quantities of solid wastes to be produced by the project facilities and its primary beneficiaries.
- (b) Describe the methods for disposing of these wastes plus the useful life of such methods.
- (c) Indicate if recycling or resource recovery programs are or will be used.

(6) Transportation

- (a) Briefly describe the available transportation facilities serving the project area.
- (b) Describe any new transportation patterns which will arise because of the project.
- (c) Indicate if any land uses, such as residential, hospitals or recreational, will be affected by these transportation patterns.
- (d) Indicate if any existing capacities of these transportation facilities will be exceeded. If so, indicate increased loads which the project will place upon these facilities, particularly in terms of car and truck traffic.

INSTRUCTIONS

(7) Noise

- (a) Indicate the major source of noise associated with the project facilities and its primary beneficiaries.
- (b) Indicate the land uses to be affected by this noise.

(8) Historic/Archeological Properties

- (a) Identify any known historic/archeological resources within the project area that are either listed on the National Register of Historic Places or considered to be of local and state significance and perhaps eligible for listing in the National Register.
- (b) Attach as EXHIBIT II-A-8b(1)(b)(8)(b) any historical/archeological survey that has been conducted for the project area.

(9) Wildlife and Endangered Species

- (a) Identify wildlife resources located in the project area or its immediate vicinity.
- (b) Indicate whether any endangered or threatened species have been identified in the project area or its immediate vicinity.

(10) Energy

- (a) Describe the energy supplies available to the project facilities and the primary beneficiaries.
- (b) Indicate what portion of the remaining capacities of these supplies will be utilized.

(11) Construction

Describe the methods which will be employed to reduce adverse impacts from construction, such as noise, soil erosion and siltation.

(12) Toxic Substances

- (a) Describe any toxic, hazardous, or radioactive substances which will be utilized or produced by the project facilities and its primary beneficiaries.
- (b) Describe the manner in which these substances will be stored, used, and disposed.

(13) Public Reaction

- (a) Describe any objections which have been made to the project.
- (b) If a public hearing has been held, attach a copy of the transcript as EXHIBIT II-A-8(1)(b)(13)(b). If not, certify that a hearing was not held.
- (c) Indicate any other evidence of the community's awareness of the project such as through newspaper articles or public notification.

(14) Alternatives to the Proposed Project

Provide a description of any of the following types of alternatives which were considered:

- (a) Alternative locations.
- (b) Alternative designs.
- (c) Alternative projects having similar benefits.

(15) Mitigation Measures

Describe any measures which will be taken to avoid or mitigate any adverse environmental impacts associated with the project.

(16) Permits

- (a) Identify any permits of an environmental nature which are needed for the project.
- (b) Indicate the status of obtaining each such permit and attach as EXHIBIT II-A-8(1)(b)(16)(b) any that have been received.

Item 2 — Applicants are required to provide the State Historic Preservation Officer (SHPO) with a) a narrative description of the project's elements and its location, b) a map of the area surrounding the project which identifies the project site, adjacent streets and other identifiable objects, c) line drawings or sketches of the project and d) photographs of the affected properties if building demolition or renovation is involved. This material must be submitted to the SHPO no later than the date of the preapplication. Additionally, the SHPO must be requested to submit comments on the proposed project to the appropriate EDA Regional Office.

Item 3 — Self-explanatory.

Item 4 — Self-explanatory.

SUMMARY

Institution of the 200-mile limit has provided a major opportunity for the U.S. fishing industry - so critically impacted by subsidized foreign competition in the past - by protecting U.S. fishermen's rights to fish caught off the nation's shores.

Between 1960 and 1965, more than 100 million pounds of fish were landed at the Boston Fish Pier which served as the center of a flourishing industry. On Georges Bank, 88% of the fish caught in 1960 were brought in by U.S. fishermen. 17 years later, however, this percentage had dropped to 10. Competition by subsidized foreign fleet decimated the formerly fruitful industry.

The Boston Fish Pier, located at the center of New England's regional truck routes and only minutes from Logan Airport, is the logical center for processing the increased U.S. catches expected from Georges Bank. As the quantity of fresh fish shipped by air grows, this logistical advantage will become even more important.

To accommodate the needs of modern processing plants, the Boston Fish Pier must undergo rehabilitation. This redevelopment will bring more than 825 new jobs to an inner-city area suffering from high blue-collar unemployment and an additional 2060 new jobs to the region, due to a multiplier effect.

Private businesses are ready to invest almost two

million dollars immediately, and substantially more in the future, in new capital equipment at the pier as soon as rehabilitation is completed. The momentum for growth exists. The industry is simply awaiting a catalyst. Economic Development Administration and Masport funding of Boston Fish Pier rehabilitation would provide the spark needed to begin fundamental revitalization of the Boston fishing industry.

ENVIRONMENTAL ASSESSMENT

Exhibit II-A-8(1)(b)

(1) Primary Beneficiaries The planned project is a rehabilitation of four existing structures and a pier for use by the fishing industry for the landing, unloading processing and transporting of fish. The primary beneficiaries therefore will be the fishermen, fish processors and brokers in the Boston area and the New England region.

Also, because of Boston's importance in the New England region as a transportation center, many New England fish firms have expressed an interest in opening a sales and distribution center in Boston, in addition to their stores/plants in other ports. The Port Authority has had three formal requests and numerous informal requests for space on the Boston Fish Pier. [see attachment 1, Exhibit IV 1-a]

(2a) Area Description The Fish Pier (Pier No.6) is located on Northern Avenue in Boston south of the Fort Point Channel. To the south lies the residential community which stretches from Dorchester Avenue in the west to the Inner Harbor on the east and south.

The pier was built on landfill, at the beginning of this century. The area itself is one of Boston's largest industrial sections. Predominant uses in the area are transportation related, as the area offers good access to the Central Artery and downtown Boston via Summer Street and Northern Avenue.

Waterfront and marine industrial and commercial uses, fish processing, seafood packaging and distribution, boat repairing, and navigation equipment sales, related office uses, freight depots and seafood restaurants exist on both sides of Northern Avenue. There is a large, but now predominantly inactive railroad switch yard which is owned by Massport and used for new car storage, parking for the convention center, and other open area activities.

Northern Avenue is a wide (equivalent to eight operating lanes) thoroughfare that allows for adequate traffic flow.

The primary zoned land use in the area is waterfront industrial and general manufacturing. Waterfront industrial as a zoning classification also allows for office uses and wholesale business and storage.

Population of South Boston totals 38,488 (City of Boston 641,071). The Fort Point Channel share of this population is negligible (see Table 1 and Map of area).

2b1 Industrial uses: The fishing industry is the primary user of land in the immediate area, and is centered on the Boston Fish Pier and in several buildings near the pier

[Buildings 4 and 5, for example, are also owned by Massport and used by fish processors and other fishing support industries]. Over the years, the Fish Pier has fallen into a state of disrepair. The proposed project is a repair, rehabilitation and renovation effort to assist in the revitalization of the fishing industry.

2b2 Commercial uses in the area consist of a few retail stores and restuarants. The present establishments exist in the area because of the fishing industry. This rehabilitation, since it will enhance the Boston Fish Pier will improve the environment for these commercial establishments..

2b17 This project is a rehabilitation of an existing shoreside facility. The shoreline will not be altered in any way.

2b22 Flood plain: The Fish Pier lies within the special Flood Hazard Area map by the Flood Insurance Administration for Boston. (Community 250-286)

Massport is in the process of filing for Flood Insurance for the Fish Pier buildings, including numbers 1, 2 and 3 and the Power Plant.

2b28 see (3) below

2b29 see (5) below

(3) Air Quality

Existing Air Quality is measured by the Commonwealth of Massachusetts Department of Environmental Quality Engineering in two locations, Kenmore Square and the East Boston Callahan Tunnel. (see attached) Neither of these sites is near the project site.

It is very unlikely that the air quality background concentrations in the vicinity of the Fish Pier project are as high as shown at the monitoring locations due to greater amounts of open space available at the Fish Pier, the influence of sea breezes and the presence of substantially less traffic at the Fish Pier than at Kenmore Square or the East Boston Callahan Tunnel. Hence monitoring sites shown worst case conditions. Furthermore of the two pollutants that could be expected to increase very slightly from the project area, carbon monoxide and photo chemical oxidants (ozone), the former has been decreasing throughout the region and the latter cannot be considered a local pollutant; that is, the ozone present at the Fish Pier is not formed at the site. The hydrocarbons emitted will contribute in a small degree to the ozone formation that will be measured elsewhere. Increase in nitrogen dioxides will be imperceptible.

The small amounts of dust generated during the renovation period should cause insignificant air pollution problems in that area.

The project is expected to have little adverse impact on air quality. Due to increased use of freezer storage, truck traffic will not increase over present levels even if the fish volume handled does increase. (that is, the trucks will operate at higher load factors). Hence the air pollutants from trucks will not increase.

The air pollutants from increased automotive travel will be minimal, and will not degrade the air quality. (See item 6)

The fish processing that will take place on the renovated pier will not emit additional air emissions or odors than are now occurring. In fact, the odors should be substantially reduced as the processing techniques are improved.

(4) Water Quality

The Fish Pier receives its water from the City of Boston. Small quantities are used in fish processing. The proposed project will increase the amounts of process water used, but the increase will be minimal.

The Fish Pier is already tied in with the sewer system of the City of Boston. The additional sewage emanating from increased Fish Pier activity will not be significant enough to have an impact on this system.

Sewer lines will be redone and adequate effluent controls will be installed to block the entry of fish scales and other wastes into the waterways. Hence, the rehabilitation of the Fish Pier will improve both sanitary conditions and water quality. The Commonwealth of Massachusetts, Division of Water Pollution Control has been informed of the rehabilitation of the Boston Fish Pier, when engineering designs of sewer lines and efficient controls are prepared the designs will be submitted to the Division of Water Pollution Control.

For a description of existing harbor water quality within the vicinity of the Fish Pier see the attached maps. As can be seen, water quality in this particular area of Boston Harbor is quite poor. Although modernization of the Fish Pier would not add to the already high levels of water pollution, any water quality improvement brought about by the project would be imperceptible.

(5) Solid Waste

The solid waste from the renovation project will be salvaged where possible, and where not possible, it will be carted away to a suitable disposal site approved by the state and municipal governments. The on-going refuse from the operation is and will be removed by regular trash collection and transported to a suitable and approved disposal site. Gurry from the fish processing is transported and sold for cat food.

(6) Transportation and Traffic Flows

The Northern Avenue area, because of its proximity to downtown Boston, has many modes of transportation available to it.

Most transporting is now done by truck down Northern Avenue. Truck and automobile traffic on Northern Avenue is now around 14 - 15,000 daily trips. Total rehabilitation of (including Phases I and II) the pier will result in the addition of 200 more vehicles (for employees) in 1982 plus additional business travel which Northern Avenue can easily handle. There will also be an addition of 100 - 200 employees along Northern Avenue (other than at the Fish Pier) as a result of the revitalization project. In order to expedite traffic flows in the area parking for Fish Pier employees, customers, and clients will be relocated to Commonwealth Pier and/or Commonwealth Flats.

A parking plan for the Fish Pier area is in the process of being developed and will be implemented in the near future by Massport. Crucial elements of the plan include installation of meters for cars parked on Northern Avenue and fencing around a lot in Commonwealth Flats.

(7) Noise

Additional noise generated during the renovation will be minimal. Noise generated by truck and automobile traffic, which exists notwithstanding reconstruction on the Fish Pier and which will continue throughout reconstruction, is greater than the noise anticipated to be generated by the

construction. Also, the additional noise generated by new traffic after renovation will be insignificant.

Adjacent land uses will not be impacted by any noise generated by construction. As mentioned elsewhere land uses in the area are predominantly industrial and commercial, including warehousing, distribution and institutional. The nearest residential area is practically a mile away from the Fish Pier.

Other Environmental Impacts

There are no glare problems anticipated either during the renovation state or resulting from the ongoing operation.

There will be no unusual vibrations generated during the new operations at the Fish Pier. The vibrational effects during the renovation period will be minimal and sporadic.

There will be a major change in the visual appearance of the Fish Pier, as it changes from a dilapidated to a modern commercial structure.

(8) Historical/Archaeological Preservation

The Fish Pier is built on land created by a land fill project and hence has no archaeological or historical significance. Northern Avenue is a fully commercially developed area with no noteworthy historical sites nearby. The environmental assessment done by Massport to comply with the Massachusetts Environmental Policy Act was shared with

the State's Historical Commission. The Commission supported the Fish Pier renovation project.

(9) Natural and Recreational Effects

The Fish Pier is located in a commercially developed area. Its renovation , therefore, will have no effect on scenic or recreational areas, beaches, wetlands, or any wildlife. Since the current structure is dilapidated, its renovation will be an aesthetic benefit for the whole area.

(10) Energy

electricity - purchased from local utility, future plans will not alter this service.

heat - generated from high pressure steam-generating boilers. Boilers are filled with No. 6 x 1/2% sulphur fuel oil. Total concept for the renovation of the Fish Pier includes replacement of these boilers with a low pressure steam system or individual heating units.

gas - supplied directly form local utilties, as required by tenants. No change expected in the future.

(11) Construction

For information on mitigation of noise generated by construction see (7) above.

Since this project is a rehabilitation of existing structures in a well developed site and area, soil erosion and siltation are not expected.

(12) Toxic substances

Radioactive substances - none of the present or proposed activities at the Fish Pier will result in radiation emissions.

No toxic or hazardous substances will be produced by the Fish Pier or by the Fish Pier processors.

(13) Public Reaction

(a) No objections have been made to the project.

(b) Massport and Mintz Associates have been holding Program Committee meetings approximately monthly to discuss various aspects of the rehabilitation. Notes on these meetings are included as Exhibit II-A-8(1)(b)(13)(b)

(c) See Exhibit II-A-8(1)(b)(13)(c)

(14) Alternatives to the Proposed Project

(a) Alternative Locations

The fishing industry has been centered at Pier No. 6 in South Boston since 1914. Prior to 1914 fishing vessels landed at T Wharf in Boston. The present location suits the fishing industry well. The fresh fish industry must be located near the water so vessels can be unloaded. The pier's proximity to downtown facilities provides access to major interstate transportation networks, as well as to local city outlets. Relocation of the facility elsewhere in the city would entail building a new pier or rebuilding another waterfront facility. The same difficulty would arise if the fishing industry were moved to another city.

(b) Alternative Designs

Renovating the Boston Fish Pier is by far the least expensive alternative available. Since purchasing the lease from the Boston Fish Market Corporation in 1972 Massport has considered several schemes entailing new construction. These schemes have been abandoned primarily because the capital costs of new construction are too great and can not be covered by the limited resources of the fishing industry.

(c) Alternative Projects Having Similar Benefits

The renovated Fish Pier will clearly improve the aesthetic and human environment along Northern Avenue. A revitalized fishing industry will stabilize the 1100 jobs that exist at the Fish Pier and will foster an additional 3000 jobs by direct and indirect impact at the pier and along Northern Avenue. Renovation of the Boston Fish Pier will provide facilities for the fishing industry at an ideal location at a manageable cost.

No scheme or project involving new construction can claim the low cost figures of this project. No other location can claim the convenience of the Boston Fish Pier.

(15) Mitigation measures.

Measures will be taken to insure that debris does not enter waterways.

A parking plan will be implemented in the Northern Avenue Area. Included in the plans for the rehabilitation of the fish pier are measures for regulating truck traffic circulation and limiting parking on the Boston Fish Pier.

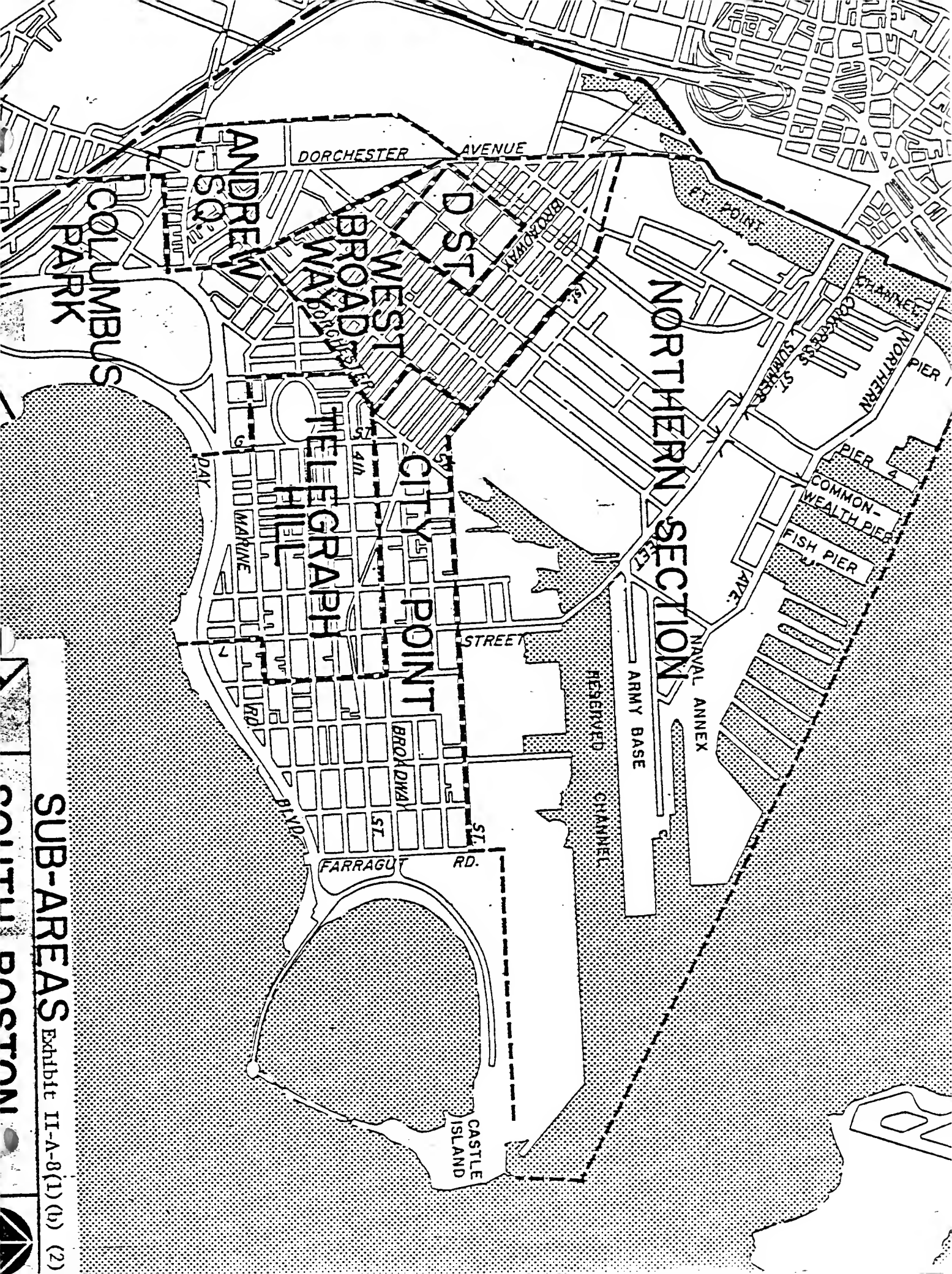
The modernization of fish processing facilities will reduce odors emitted substantially.

A gurry retrieval system will probably be installed on the pier during phase II of the renovation.

(16) Permits: for those received see EXHIBIT 11-A-8(1)(16)(b).

Population
1970 U.S. Census Data

City Point	11,378
Telegraph Hill	10,144
Columbus Park	5,750
Andrew Square	2,222
West Broadway	5,455
D Street	3,539
<hr/>	
Total: South Boston	38,488
City of Boston Total	641,071



SUB-AREAS

Exhibit II-A-8(1)(b) (2)

COUNTY DOCTON



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

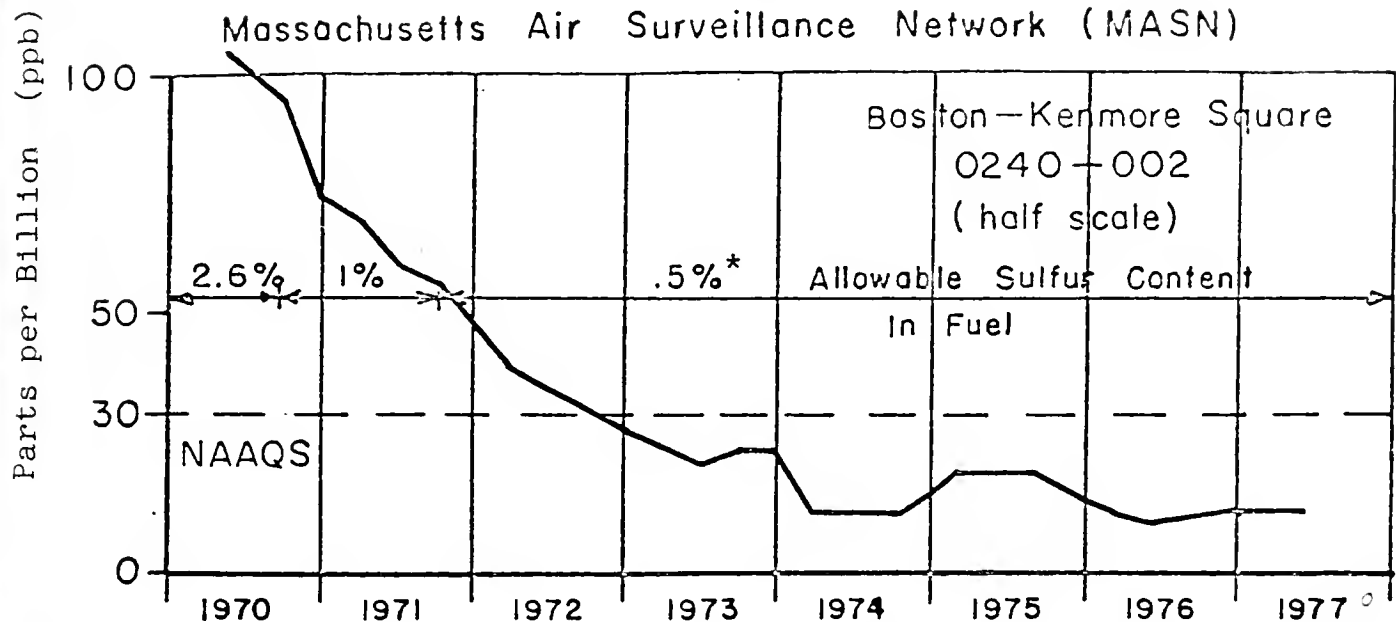
BOSTON SOUTH QUADRANGLE
MASSACHUSETTS
7.5 MINUTE SERIES (TOPOGRAPHIC)

DORCHESTER
Exhibit A-8 (1)(b)(2)(c)(1)

BAY

SULFUR DIOXIDE (SO₂)

Massachusetts Air Surveillance Network (MASN)



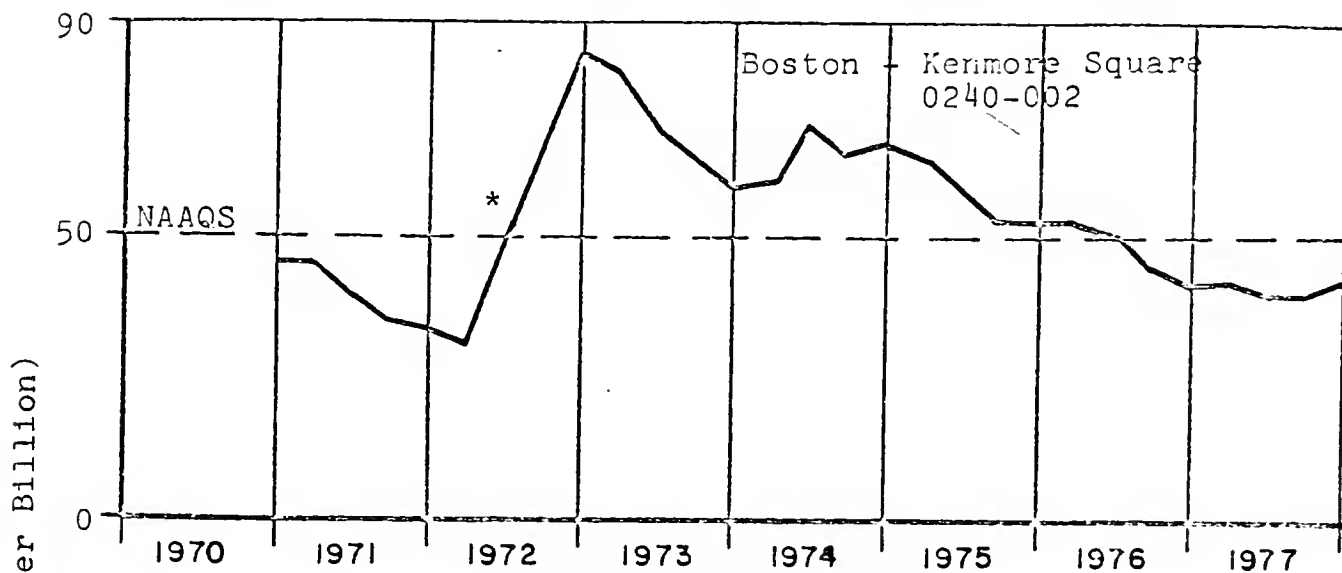
* Chapt. 494 started in July 1975

** Summary data for 1978 not available as of 4/9/79.

NITROGEN DIOXIDE (NO₂)

ANNUAL ARITHMETIC MEANS - RUNNING AVERAGES

Massachusetts Air Surveillance Network (MASN)

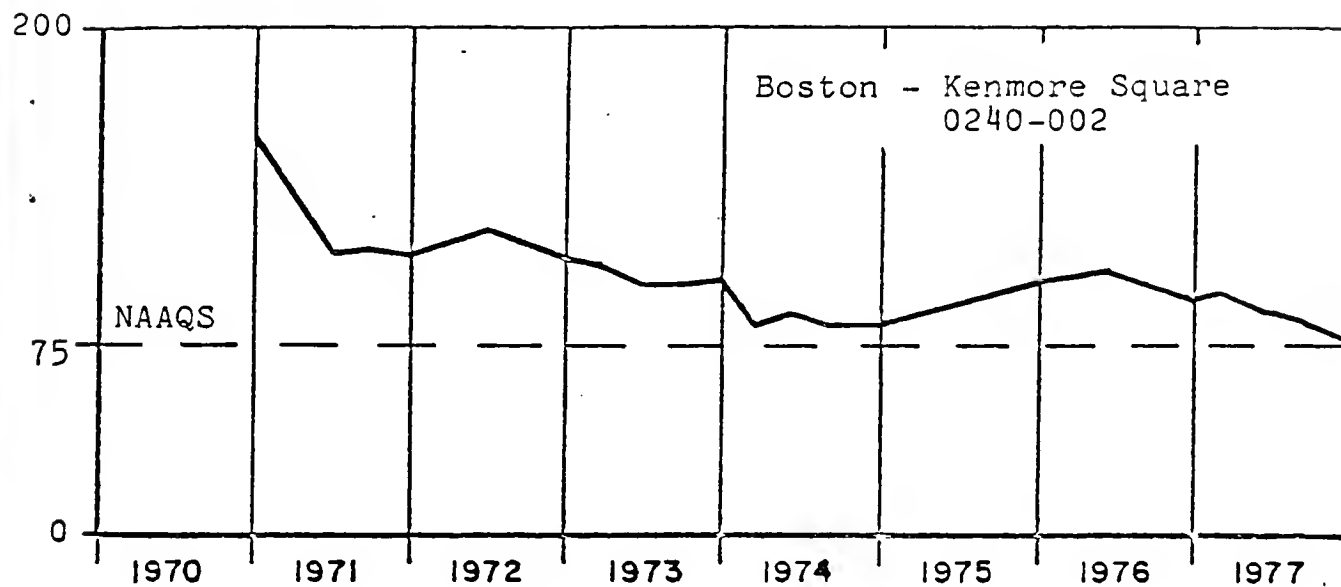


* Change in sampling method

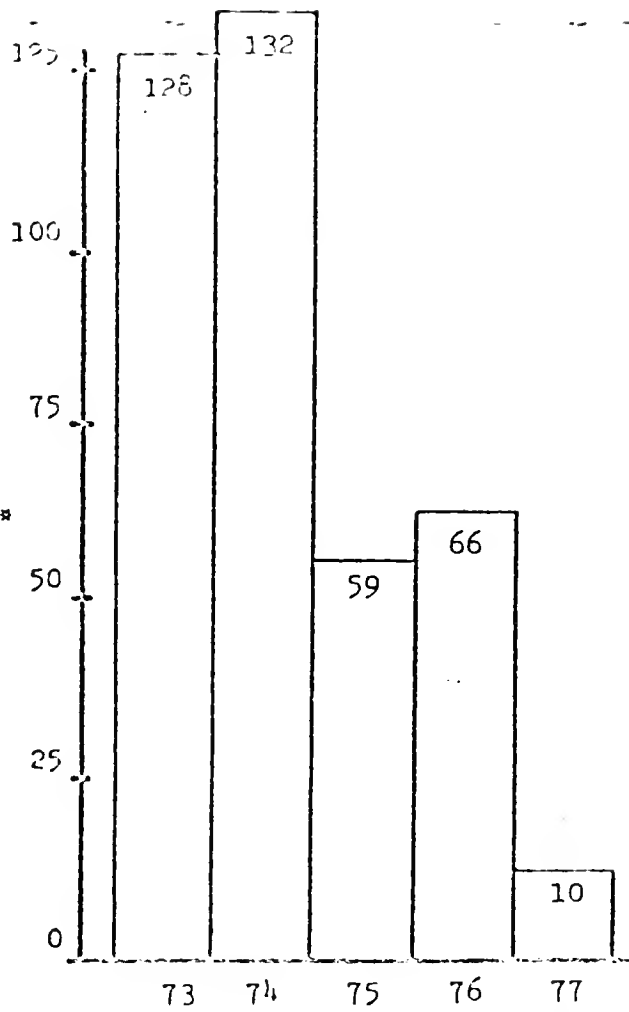
TOTAL SUSPENDED PARTICULATES (TSP)

ANNUAL GEOMETRIC MEANS - RUNNING AVERAGES

Massachusetts Air Surveillance Network (MASN)



ESTIMATED NUMBER
OF EXCEEDANCES
OF 8 HOUR
STANDARD (9 PPM)*

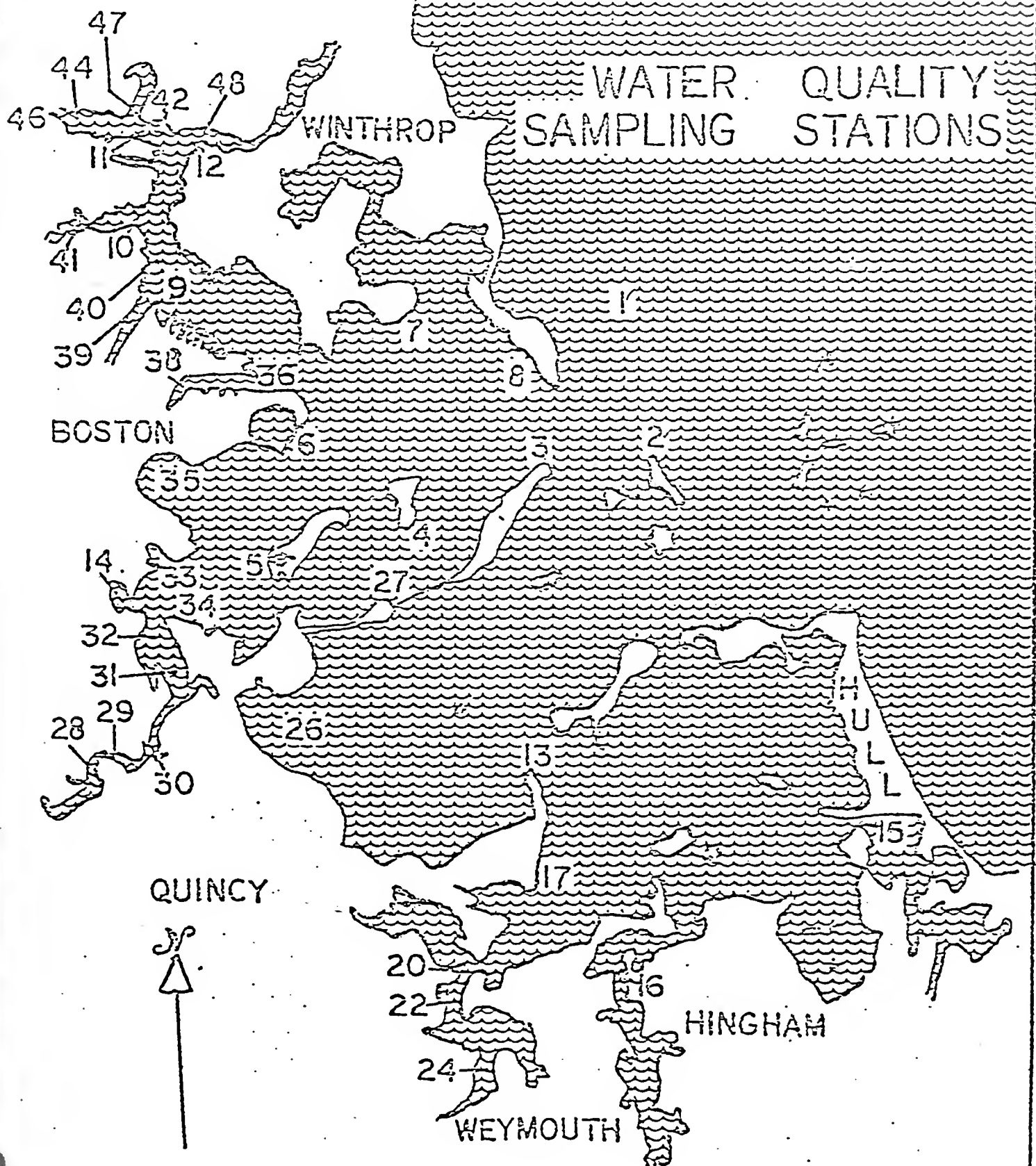


2nd MAX

154 151 140 161 126

BOSTON - KENMORE SQUARE

ACTUAL EXCEEDANCES WERE ADJUSTED
TO REPRESENT FULL YEAR



DIVISION OF WATER POLLUTION CONTROL

METROPOLITAN REGIONAL OFFICE

BOSTON HARBOR SURVEY - 1972

STATION NO. 9 - Central Wharf - 500 yards off Aquarium

Sample No.	R54781	R55075	R55171	R55207	R55982	R55994
Date of Collection	6/5/72	7/14/72	7/20/72	7/26/72	11/2/72	11/3/72
Time of Collection	1:00 PM	10:05 AM	1:35 PM	12:47 PM	2:30 PM	12:17 PM
Temperature (F°)	59°	59°	68°	63°	54°	45°
Low Tide	12:11 PM	8:31 AM	1:22 PM	6:01 AM	2:39 PM	3:24 PM
BOD	3.0	2.5	6.7	2.5	3.2	0.9
pH	7.4	7.7	8.1	7.9	7.1	7.6
Alkalinity-Total	70	162	120	102	112	124
D.O.	2.8	-	7.0	-	3.6	4.3
Chlorides	9400	14,600	13,400	15,400	14,000	17,400
Total Solids	-	-	-	-	-	-
Susp. Solids-Total	6	-	-	-	-	-
Loss	-	-	-	-	-	-
Total P	0.22	0.24	0.24	0.14	0.36	0.12
Coliform-Total	240,000	930,000	24,000	93,000	240,000	43,000
Fecal	24,000	230,000	24,000	15,000	93,000	4300
Color	55	25	45	28	18	20
Turbidity	1	0.0	1	0	1	0
Total-Kj-N	0.8	1.0	1.4	0.7	-	-
Ammonia-N	0.18	0.28	0.05	0.26	0.60	0.24
Nitrite-N	-	-	-	-	-	-
Nitrate-N	0.0	0.0	0.0	0.0	0.0	0.0

DIVISION OF WATER POLLUTION CONTROL

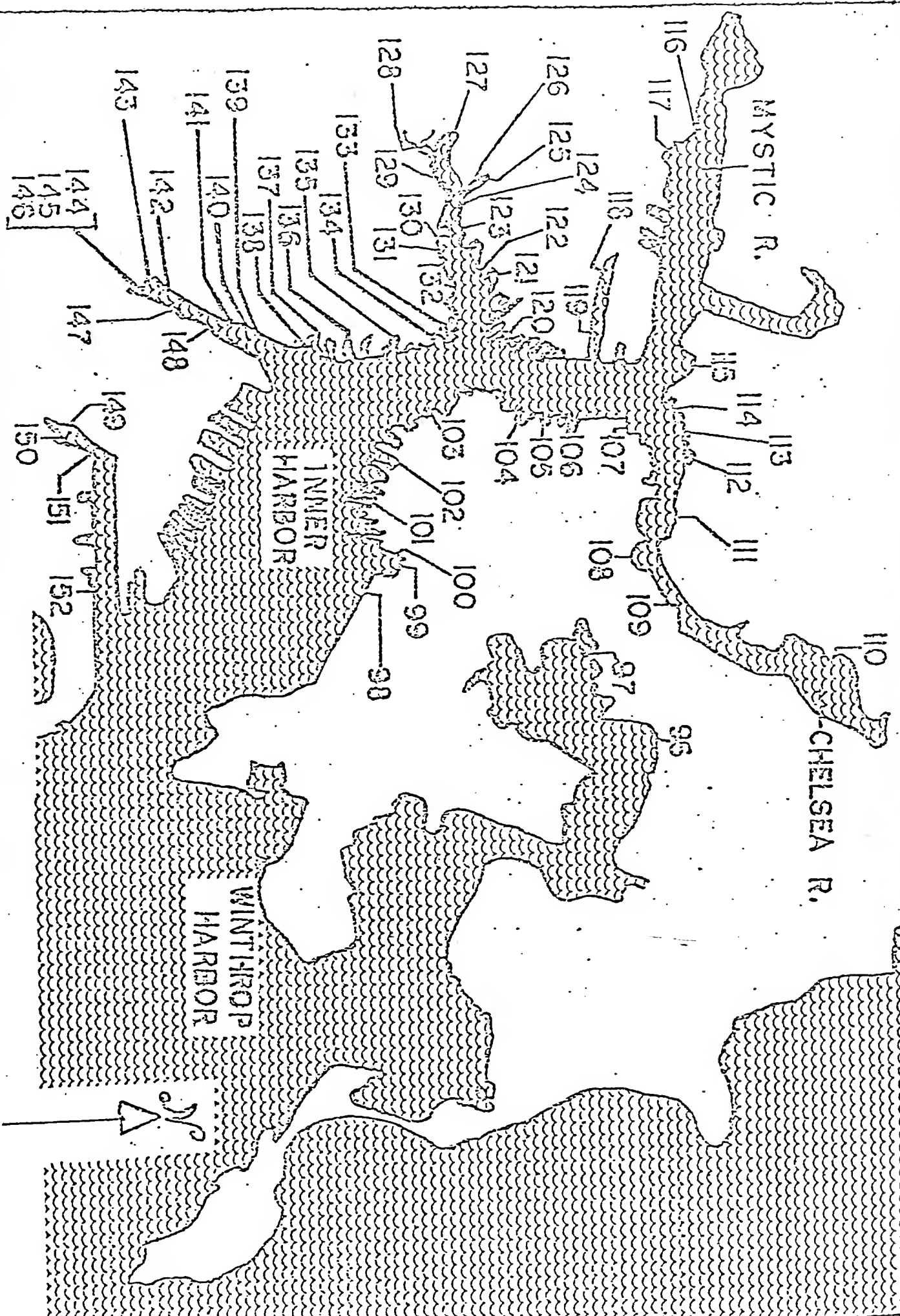
METROPOLITAN REGIONAL OFFICE

BOSTON HARBOR SURVEY - 1972

STATION NO. 36 - South Boston - Reserved Channel - Mouth of Channel

Seamle No.	R54801	R54937	R55109	R55463	R55714	
Date of Collection	6/6/72	6/20/72	7/18/72	8/15/72	9/12/72	
Time of Collection	-	12:40 PM	10:09 AM	9:25 AM	11:20 AM	
Temperature (F°)	-	65°	-	64°	-	
Low Tide	1:07 PM	1:15 PM	11:37 AM	10:07 AM	8:47 AM	
BOD	2.4	4.8	8.4	2.0	3.2	
pH	7.4	7.8	7.1	7.3	7.9	
Alkalinity-Total	75	88	108	108	98	
D.O.	6.3	7.6	8.1	6.8	6.9	
Chlorides	9000	12.400	15.000	16.600	15.400	
Total Solids	-	-	-	-	-	
Susp. Solids-Total	4.0	3.0	-	-	4.5	
Loss	-	-	-	-	-	
Total P	0.12	0.20	0.14	0.08	0.10	
Coliform-Total	75,000	240,000	93,000	2400	-	
Fecal	24,000	4300	4300	930	-	
Color	48	48	25	10	0	
Turbidity	1	1	0	0	0	
Total-Kj-N	0.8	1.7	1.0	-	-	
Ammonia-N	0.30	0.28	0.28	0.34	0.19	
Nitrite-N	-	-	-	-	-	
Nitrate-N	0.0	0.0	0.0	0.0	0.0	

SAMPLING STATIONS IN BOSTON HARBOR



DIVISION OF WATER POLLUTION CONTROL

METROPOLITAN REGIONAL OFFICE

BOSTON HARBOR SURVEY - 1972

STATION NO. 148 - South Boston - Fort Point Channel - Mt. Washington Avenue

Sample No.	R54811	R54948	R55119	R55483		
Date of Collection	6/6/72	6/20/72	7/18/72	8/15/72		
Time of Collection	-	2:45 PM	10:50 AM	11:55 AM		
Temperature (F°)	-	-	-	-		
Low Tide	1:07 PM	1:15 PM	11:37 AM	10:07 AM		
BOD	3.0	7.2	4.5	5.8		
pH	7.4	7.2	7.6	7.4		
Alkalinity-Total	75	76	103	114		
D.O.	4.7	2.8	6.9	2.2		
Chlorides	9000	14,400	12,800	14,200		
Total Solids	-	-	-	-		
Susp. Solids-Total	4.5	11	-	10		
Loss	-	-	-	-		
Total P	.22	.40	.18	.36		
Coliform-Total	430,000	930,000	46,000	93,000		
Fecal	91,000	43,000	4300	9300		
Color	45	35	30	15		
Turbidity	2	2	1	1		
Total-Kj-N	1.7	4.5	1.3	1.5		
Ammonia-N	0.26	1.3	0.23	0.33		
Nitrite-N	-	-	-	-		
Nitrate-N	0.0	0.0	0.0	0.0		

DIVISION OF WATER POLLUTION CONTROL

METROPOLITAN REGIONAL OFFICE

BOSTON HARBOR SURVEY - 1972

STATION NO. 151 - South Boston - Reserved Channel - Summer Street Bridge

Sample No.	R54813	R54950	R55121	R55486		
Date of Collection	6/6/72	6/20/72	7/18/72	8/15/72		
Time of Collection	12:15 AM	1:05 PM	10:13 AM	10:15 AM		
Temperature (F°)	60 ⁰	-	-	-		
Low Tide	1:07 PM	1:15 PM	11:37 AM	10:07 AM		
BOD	3.0	2.4	2.3	2.2		
pH	7.3	7.5	7.7	7.6		
Alkalinity-Total	74	96	102	104		
D.O.	7.1	6.4	7.1	6.8		
Chlorides	10,000	14,800	15,400	16,400		
Total Solids	-	-	-	-		
Susp. Solids-Total	4.0	4.0	-	3.0		
Loss	-	-	-	-		
Total P	.18	.20	.16	.12		
Coliform-Total	240,000	24,000	43,000	430		
Fecal	15,000	4300	43,000	36		
Color	43	0	20	10		
Turbidity	1	20	1	1		
Total-Kj-N	1.5	0.4	0.4	0.4		
Ammonia-N	.21	.23	.25	.16		
Nitrite-N	-	-	-	-		
Nitrate-N	0.0	0.0	0.0	0.0		

BOSTON HARBOR SURVEY

SEDIMENT ANALYSIS

	Hg	Cd	Pb	Zn	Ni	Cu	Cr	As	% Vol.
9	3.0	6.4	190	330	38	220	230	2.4	14.0
7	20.5	15.0	740	1400	110	530	180	3.6	25.0
8	4.0	13.0	850	950	77	590	180	5.4	29.0
9	2.9	9.1	440	750	100	440	84	9.2	13.0
0	3.0	5.7	460	1550	80	950	58	6.0	14.0
1	2.0	6.6	110	170	73	140	100	8.0	20.0
2	1.6	4.0	140	250	40	150	180	5.0	9.6

NOTE: Concentrations reported as mg/kg dry weight passing No. 30 sieve.

MINTZ ASSOCIATES ARCHITECTS/PLANNERS, INC.
One Dock Square Building Boston, Massachusetts 02109(617)523-3705

Samuel E. Mintz
Joseph A. Guerino
Tosh Kawakami
William A. Yuhas

October 3, 1978

MEETING SUMMARY

Fish Pier Program Committee
Meeting #1
26 September 1978
At Mintz Associates; 1:30 PM

Present:

Committee: Frank Byrnes: F.E. Harding Co.
Vito Corseli: Great Atlantic Co.
Frank Foley: F. J. Foley Co.
Russ Nagle: John Nagle Co.
Hugh O'Rourke: Boston Fisheries Assoc.
Bill Stride: Turner Fish Co.
John Stride: Turner Fish Co.

Massport: Elliot Friedman
Gail Monahan
Bob Parks
Debbie Kaplan

Mintz Assoc: Sy Mintz
Bill Yuhas

SUMMARY:

Elliot and Sy outlined some objectives of the Committee including the following:

Input for programming of Fish Pier Rehabilitation;

Open discussion of all alternatives and issues;

Best possible solutions considering individual needs and overall needs;

Bring all ideas -old and new- to the Committee for discussion;

-2-

Inform other Fish Pier tenants of activities of the Committee;

Discuss one key issue or design question at each meeting.

The issue discussed was that of traffic circulation on the Pier including loading and unloading of trucks, circulation plans, restricted access areas, autos on the Pier and a central shipping area.

Conclusions:

The following outlines those areas where the Committee reached a consensus on specific issues:

1. Automobiles -all automobiles- should not be allowed on Pier. Autos were identified as the major cause of congestion.
2. Straight (perpendicular) unloading at the sheet truck docks should be continued. Angled unloading does not allow for adequate dock frontage.
3. Trucks must be allowed access onto the apron area of the Pier (backs of stores). This area might be limited to the unloading of fish only.
4. A Pier traffic circulation plan is needed. It should consider advantages/disadvantages of one way traffic, off-pier parking for dealer trucks, and a clearly marked roadway (perhaps 12 ft. wide) on the apron to separate traffic from dealer work areas.
5. A central shipping area is not practical at this time.

Next Meeting:

A circulation plan of the Pier including a roadway and work area dimensions on the apron will be prepared for the next meeting.

Bob Parks will notify members of the next meeting. Wednesday or Thursday afternoons were agreed upon as the best meeting time.

William A. Yuhas

MASSACHUSETTS PORT AUTHORITY - BOSTON FISH PIER TENANTS

DEVELOPMENT COMMITTEE

Attendance at the September 26, 1978 meeting is as follows:

Sy Mintz	Frank Byrnes	Elliot Friedman
	Russell Nagle	
Joe Guerino	Hugh O'Rourke	Bob Parks
	Bill Stride	
	John Turner	Debbie Kaplan
	Frank Foley	
	Vito Corsile	Gale Monahan

This Committee was formed at the suggestion of the Massachusetts Port Authority to discuss items that relate to the rebuilding of the Boston Fish Pier, some of which are immediate and others pertain to the future.

The principle parties attending this meeting are representatives of the Massachusetts Port Authority, The Boston Fish Pier Tenants, and Mintz Associates Architects/Planners, Inc. It was suggested that meetings be held periodically as subject matter develops that requires implementation.

The meeting held at the office of Mintz Associates, Tuesday, September 26, 1978, was concerned with truck loading and unloading procedures, regulating traffic, and the need for eliminating passenger automobiles on the Fish Pier excepting in emergencies. The Fish Pier was constructed in 1910-1914 during the era of the horsedrawn teams and provided adequate space for maneuvering. Today, the Fish Pier is clogged with semi-trailers on two different times of the day. In the morning fish arrives over the road from various New England Ports and Canada, and in mid-afternoon to early evening trucks arrive to transport the finished product to the Marketplace within a 1,000 mile radius of Boston.

At the beginning of the meeting Sy Mintz had layouts posted on the walls of his meeting room showing physically two plans related to loading and unloading. One plan was designed to back the trucks into loading platforms on a right or left angle based upon which side of the Pier they were unloading. The second plan was to back the trucks squarely against the Pier loading facilities in a straight line. It was the concensus of the Tenants Committee that the trucks should not be backed in on an angle. It was decided that the trucks should be unloaded by backing directly into the loading platform.

The delivery of fresh fish over the road to the Boston Fish Pier requires that trucks unload at the back of the fish plants. Several reasons were offered but primarily it is a procedure that has found acceptability over the years following trial and error. The advantage is that the fish can be stored at the back of the Pier temporarily and be close to the process line minimizing the need for additional space and labor.

Traffic patterns are also being considered that will maintain a good traffic flow thereby minimizing traffic jams on the Pier. It was definitely agreed that no private vehicle can park on the Fish Pier irrespective of time of day. Obviously during reconstruction of the Fish Pier there will be construction vehicles, suppliers, and dumping equipment that will require space. This will be a mobile operation relating to the confusion of rebuilding one side of the Pier and moving plants across the Pier. This dictates that the sooner a traffic pattern is established and adhered to by the Fish Pier Tenants it will minimize lost time due to traffic congestion.

MINTZ ASSOCIATES ARCHITECTS/PLANNERS, INC.
One Dock Square Building Boston, Massachusetts 02109 (617) 523-3705

Samuel E. Mintz
Joseph A. Guerino
Tosh Kawakami
William A. Yuhas

MEETING SUMMARY

FISH PIER PROGRAM COMMITTEE
MEETING #2
12 OCTOBER 78
AT MINTZ ASSOCIATES: 1:30 P.M.

PRESENT:

COMMITTEE: FRANK BYRNES: F.E. HARDING CO.
RUSS NAGLE: JOHN NAGLE CO.
HUGH O'ROURKE: BOSTON FISHERIES ASSOC.
JOHN TURNER: TURNER FISHERIES

MASSPORT: ELLIOT FRIEDMAN
BOB PARKS
GAIL MONAHAN

MINTZ ASSOC: SY MINTZ
BILL YUHAS

SUMMARY

Elliot informed the Committee that Massport is meeting with No Name Restaurant owner, Nick Contos regarding their lease. It was suggested that when we are further along technically, and better understand the implications of rehabilitation of the buildings, Nick should be involved in matters affecting the No Name.

As a follow-up to the last meeting, Bill Yuhas presented a sketch of the apron area showing an 18 ft. wide truck roadway and a 28-30 ft. wide work area.

Questions: -Should the truck roadway be set back from the cap log?
-How will this effect the proposed new canopy?
-What uses will be continued on the apron?

Suggestions: -Pier tractors should operate two-ways.
-Trucks should be limited to one-way.
-Traffic pattern should be flexible to respond to future needs.

MINTZ ASSOCIATES ARCHITECTS/PLANNERS, INC.

MEETING SUMMARY PAGE TWO

Conclusion

It is necessary to look at the apron area in more detail, to survey user needs, develop canopy design alternatives, paving alternatives and discuss in more detail at a future meeting.

The central issue discussed was that of dealer layouts at the first and second floors of buildings 1 and 2. Mintz Associates presented sketches generally showing the following:

Floor 1: All processing
 Cold storage
 Small office (shipping & receiving)
 Toilet

Floor 2: Offices
 Locker Room w/showers & toilets
 lunch room
 storage area
 Mechanical equipment area

Also shown was an open area in the second floor allowing for visual surveillance and verbal contact from the second floor to the first floor. General comments are as follows:

Coolers: -Flexibility could be important but cost will be an important factor.
 -Major concern is heat transfer.
 -Coil coolers are more efficient, fan coolers melt ice to quickly.
 -Access door directly off the apron may be desirable in larger coolers.
 -Temperatures: 36 degrees to 38 degrees (34 degrees ideal) = Coolers; -10 degrees = freezer

2nd Floor

Access: -Floor opening will depend on individual need and a function of needed floor area.
 -Access through a canopy hatchway should be considered further along with an interior hoist through a floor hatchway.

Processing: -Processing lines do not have to be front-to-back but could also be across the store area. A need is for adequate space for the temporary holding of fish prior to processing. The canopy will provide a protected area for fish holding.

MINTZ ASSOCIATES ARCHITECTS/PLANNERS, INC.

MEETING SUMMARY
PAGE THREE

Conculsions

General layout as shown in the sketches is O.K. Specific design layouts will be worked out with individual dealers in Phase II.

Most if not all dealers need more space or at least more efficient space, particularly cold storage.

The smallest dealer bay would be 30 ft. wide.

The issue of dealer layouts will be discussed at subsequent meetings as this phase of the project is developed.

Next Meeting:

A detailed evaluation of apron uses, needs and canopy design alternatives as well as truck circulation and surface treatment will be presented at the next meeting.

Bob Parks will notify Committee members of the next meeting and any additional issues to be discussed.

Submitted by:

Bill Yuhas

copies to all present

MINTZ ASSOCIATES ARCHITECTS/PLANNERS, INC.

MEETING SUMMARY

FISH PIER PROGRAM COMMITTEE

MEETING #3

AT MINTZ ASSOCIATES @ 1:00 P.M., *December 6, 1978*

PRESENT: FPPC: Vito Corseli	MPA: Elliot Friedman	MA: Sy Mintz
Frank Byrnes	Gail Monahan ✓	Bill Yuhas
Frank Shinney	Debbie Kaplan	
Russ Nagle	Bob Parks	
Bill Stride		
John Turner	BFA: Hugh O'Rourke	

Summary

As concluded at the last meeting, Mintz Associates have evaluated apron uses and canopy design alternatives. The purpose of meeting was to review alternative canopy, truck dock and apron uses and design. Alternatives included the following:

Truck dock side: Suspended canopy with options for the width of the loading platform from the existing width of approximately 4½ feet to 8 feet.

Apron side: Suspended canopy - 12 feet to 16 feet chain link fence enclosure, 8 feet high, 22 feet out from building.

Three, column supported canopies.

1. One story, partially covered, enclosed with chain link fence.
2. One story covered and enclosed with overhead doors.
3. Two story, covered and enclosed, overhead doors and storage loft.

Since canopy treatment directly effects design and treatment of exterior rehabilitation, it is necessary to decide on a canopy design so that work can proceed on exterior rehab that allows for future improvements.

1. Sy Mintz presented alternatives.

a. Truck Dock Side: Dock width and canopy.

Comments: Could use a wider platform width.

Most want to be able to maneuver a fork lift along the platform. Also, must be able to open truck doors after the truck has backed in.

Regarding street width, dealers and truckers can control circulation - self patrolled. It was restated that cars, not trucks, create the traffic problem on the Pier.

The canopy is necessary for protection from weather.

Two foot overhang beyond truck dock should be adequate.

MINTZ ASSOCIATES ARCHITECTS/PLANNERS, INC.

MEETING SUMMARY

FISH PIER PROGRAM COMMITTEE

MEETING #3

PAGE TWO

Conclusions: Set truck dock to accommodate fork lift maneuvering on the platform, likely 6 to 7 feet.

Ideal truck dock height would be 48 inches.

Canopy to extend 2 feet beyond truck dock.

b. Apron Side: Canopies and layouts.

The apron survey and evaluation findings showed that all dealers, no matter how large or small, utilize approximately 22 feet of apron out from their store (the apron is 48 feet wide) for fish unloading, weighing and holding, box storage, gurry, etc. The rest of the apron is used primarily for vehicular circulation (trucks and warf trailers), dumpsters and boat access. Based on these findings all canopies or enclosures included this 22 foot area.

Comments:

Initial reaction was in favor of 2-story canopy.

Major concern was regarding additional costs to tenants in terms of rents and operating costs.

Loft space was considered as optional.

Still stronger response in favor of 2-story canopy.

General approval of apron uses: truck circulation, dealer uses (unloading, weighing, storage, etc.) covered area.

Two story is as valuable to a one-bay store as it is to a four bay store.

It would allow the processors to take in new products such as squid and whiting.

Two lines are very beneficial to cost of operation in terms of changed over to different species. If more species could be cut, more boats would come to Boston.

New enclosed space under canopy is rentable and could be an alternative to expanding to an additional bay.

MINTZ ASSOCIATES ARCHITECTS/PLANNERS, INC.

MEETING SUMMARY
FISH PIER PROGRAM COMMITTEE
MEETING #3
PAGE THREE

Conclusion: Two story canopy solution was chosen as the alternative to be developed further. More accurate costs will be developed regarding the economic feasibility.

2. General

Special consultant: Sy discussed the hiring of Johan Koppernaes and his eventual start to evaluate fish unloading, gurry handling, freezing, cold storage and ice making. We will be meeting with him soon and these meetings will include the Fish Pier Program Committee.

3. Next Meeting

Massport and MA will address questions raised at this meeting regarding the selected canopy design.

Bob Parks will inform the Committee of the next meeting and agenda items.

Submitted by:

Bill Yuhas

/mtf

copies to all present

Boston Globe

9/15/78

Fish Pier project gets \$6m grant

A \$6 million grant to rehabilitate Boston's dilapidated, 65-year-old Fish Pier was approved yesterday by the US Commerce Department's Economic Development Administration.

Rep. John J. Moakley (D-Mass.), who has been pressing for the federal funds for more than a year, announced in Washington that \$2 million has been committed for the current fiscal year and \$4 million more for 1979 and 1980.

Moakley estimated the Fish Pier renovation will create 2700 construction and fishing-related jobs in Boston. He called the project "a vital link in the urban renewal effort already under way throughout Boston's waterfront area."

A spokesman for the Boston Fisheries Assn., Hugh O'Rourke, said: "This will be a real shot in the arm for the Boston fishing industry."

The rehabilitation will provide modern, more efficient facilities for 18 pro-

cessing plants and dealers now on the pier, "and provide room for new businesses to handle the increased supplies of fish we expect because of the 200-mile limit."

Lt. Gov. Thomas P. O'Neill 3d said the project "will bring the Boston fishing industry out of the dark ages." He said the Fish Pier "desperately needs updating."

An official in O'Neill's office said construction is expected to start in the spring and last two years. He said the three major buildings on the pier and the power plant will be restored.

Fish unloading and ice facilities will be improved. Plumbing, electrical and sewage systems will also be modernized.

The Massachusetts Port Authority is expected to contribute about \$3 million to the project, the state official added.

9/15/73

Fish chief forecasts 2,800 new Hub jobs

The president of the Boston Fisheries Association said yesterday that a recently-approved \$6.5 million federal grant for renovation of the Boston Fisher Pier will pump new life into the city's fishing industry, resulting in 2800 new jobs.

The 20 tenants occupying the withering Massachusetts Port Authority facility on Northern Avenue were in danger of having their fish processing and wholesale firms closed down, said Francis M. Byrnes, president of the Fisheries Association.

Byrnes predicted that the grant, which will be used to make interior and exterior improvements, will create a more vibrant atmosphere at the pier.

"I would say that in five years, you'll see anywhere from three to five times as many employees here," said Byrnes, who owns a company on the pier.

Massport Executive Director David W. Davis said improvements on the 65-year-old facility will enable Boston to focus on "bigger and better" markets by parlaying a

healthier fishing industry with the transportation capabilities of nearby Logan Airport.

Davis said site improvements would begin next month with a \$2-million allocation for fiscal 1978. The remaining \$4.5 million would be used during the later phases of construction, which will be completed by 1980.

"What we're trying to do is attract more boats to bring their catches to Boston, and with a decadent fish pier, you can't do that," said Byrnes.

He added that the fish pier would probably have been closed down by the state's Food and Drug Administration if the rehabilitation grant from the Economic Development Administration had not been awarded.

Byrnes credited U.S. Rep. J. Joseph Moakley, House Speaker Thomas P. O'Neill Jr., Massport, the Boston Fisheries Association and Boston Fish Pier Tenants Group for convincing the federal government that the pier is in grave need of renovation work.

11-A-8 (1)(14)(6) Permits Received

Department of the Army, New England Division, Corps of Engineers

Commonwealth of Massachusetts Historical Commission

Commonwealth of Massachusetts: Executive Office of Environmental Affairs: Approval of decision not to prepare an environmental impact report (Negative Assessment) for Rehabilitation of Boston Fish Pier

Notification of Massport's digibility to purchase flood insurance for Boston Fish Pier



DEPARTMENT OF THE ARMY
NEW ENGLAND DIVISION, CORPS OF ENGINEERS.
424 TRAPELO ROAD
WALTHAM, MASSACHUSETTS 02154

REPLY TO
ATTENTION OF
NEOOC-R-20

21 September 1977

Massachusetts Port Authority
ATTN: Ms. Rosa Snyder
99 High Street
Boston, Massachusetts 02110

Gentlemen:

We have reviewed your letter of 7 September 1977 describing proposed rehabilitation of the Boston Fish Pier. This work appears to be enhancement to an existing facility with no deviation from the plans or use of the original structure or discharge of dredged or fill material.

Therefore, that work is permitted under 33 Code of Federal Regulations, Part 323 as published in the 19 July 1977 Federal Register and does not require submission of an application or further processing.

You must still obtain any required State or local permits before beginning work.

Should you have any questions, please contact me at 617-894-2400, extension 333.

Sincerely yours,

WILLIAM F. LAWLESS
Section Chief
Regulatory Branch
Operations Division





The Commonwealth of Massachusetts

Office of the Secretary

Massachusetts Historical Commission

*Secretary of the
Commonwealth*

294 Washington Street Boston, Massachusetts 02108

(617) 727-8470

April 6, 1978

Mr. Elliot Friedman
Massachusetts Port Authority
99 High Street
Boston, Massachusetts 02110

Dear Mr. Friedman:

The Massachusetts Historical Commission has reviewed the proposal for renovations to the Boston Fish Pier and has determined that the proposed action will have no effect on historic properties listed or eligible for listing in the National Register of Historic Places.

Thank you for the opportunity to review and comment. We encourage you in your endeavors to revitalize a property associated with such an important aspect of Boston's history and hope that you will continue to consider historic properties during planning for your agencies' developments and activities.

Sincerely,

A handwritten signature in cursive script, reading "Patricia L. Weslowski".

Patricia L. Weslowski
Acting Executive Director
Massachusetts Historical Commission
Deputy State Historic Preservation Officer

PLW/JRO/pg

xc: Frank Barnes



The Commonwealth of Massachusetts

Executive Office of Environmental Affairs

100 Cambridge Street

Boston, Massachusetts 02202

EVELYN F. MURPHY
SECRETARY

M E M O R A N D U M

TO: Norman Faramelli, Massport

FROM: Evelyn F. Murphy, Secretary *E F M*

DATE: March 14, 1978

SUBJECT: EOE #02879, Northern Ave. Fish Pier Modernization

In my judgement this activity does not require the preparation of an Environmental Impact Report. However, there is an issue that applies to all projects in the Northern Avenue area-traffic. The BMIP, the Fish Pier Modernization, and all the development schemes for the area will each have substantial traffic generation impacts. While each seems of a minor degree, they add up to major traffic levels through the area with project completions. I therefore urge Massport to coordinate their efforts with other related developments in the area, and to initiate discussions with other agencies aimed at provision for mass transit services and roadway improvements.

REG:jmdi

cc: Jeff Simon, Land Bank
John Carroll, DPW
Richard Mertens, BRA
Secretary Salvucci, EOTC



EVELYN F. MURPHY
SECRETARY

The Commonwealth of Massachusetts

Executive Office of Environmental Affairs

100 Cambridge Street

Boston, Massachusetts 02202

STATEMENT OF SECRETARY ON ENVIRONMENTAL
ASSESSMENT FORM

Pursuant to M.G.L., Ch. 30, S. 62, and the regulations governing preparation of environmental impact reports, the Secretary of Environmental Affairs herein issues the following statement with respect to the Environmental Assessment Form submitted on the following project.

Environmental Assessment Form No. 02879

Submitted By: Massachusetts Port Authority

Date Received: February 14, 1978

Project Identification: Modernization of the Fish Pier on Northern Ave.

STATEMENT:

- (☒) 1. The decision not to prepare an environmental impact report (Negative Assessment) adequately and properly complies with the provisions of the regulations.
- () 2. The decision not to prepare an environmental impact report (Negative Assessment) does not adequately and properly comply with the provisions of the regulations. See attached statement of reasons.
- () 3. The decision to prepare a draft Standard Environmental Impact Report adequately and properly complies with the provisions of the Regulations.
- () 4. The decision to prepare a draft Standard Environmental Impact Report does not adequately and properly comply with the provisions of the Regulations. See attached statement of reasons.
- () 5. The decision to prepare a draft Extensive Environmental Impact Report adequately and properly complies with the provisions of the Regulations.
- () 6. The decision to prepare a draft Extensive Environmental Impact Report does not adequately and properly comply with the provisions of the Regulations. See attached statement of reasons.

3-15-78
DATE

Evelyn R. Murphy
EVELYN R. MURPHY, SECRETARY



John F. Kennedy Federal Building
Boston, Massachusetts 02203

BOSTON AREA OFFICE
BULFINCH BUILDING, 15 NEW CHARDON STREET
BOSTON, MASSACHUSETTS 02114

April 21, 1978

IN REPLY REFER TO:

Norman J. Faramelli
Chief
Environmental Management
MASSPORT
99 High Street
Boston, MA. 02110

Dear Mr. Faramelli:

This is in response to your letter of April 17, 1978, regarding the proposed MASSPORT Fish pier rehabilitation project and the National Flood Insurance Program.

At the present time Flood Insurance is available within the City of Boston. As far as we know MASSPORT is bound by the regulations Boston has adopted to comply with the requirements of the National Flood Insurance Program. If this is not the case please inform us. Flood Insurance may be purchased by anyone in the City of Boston. In order for E.D.A. to allow funds to be used for acquisition or construction purposes in an identified special flood hazard area flood insurance is required for the useful economic life of the project.

If we can be of further assistance, please do not hesitate to write or telephone us at 223-2616.

Sincerely,

Edward A. Thomas
Regional Director
Federal Insurance Administration

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